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ENGINEERING GEOLOGY • HYDROLOGY • GEOENVIRONMENTAL SERVICES

**Preliminary Geologic Hazards Evaluation
of the
Proposed Carrillo Plaza Project
210 West Carrillo Street
Santa Barbara, California**

August 4, 2006

Submitted to

**DBN Carrillo Village, LLC
27032 Rocking Horse Lane
Laguna Hills, CA 92653**

Attn: Mr. Steven Delson

Prepared by

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August 4, 2006

DBN Carrillo Village, LLC
27032 Rocking Horse Lane
Laguna Hills, CA 92653

Attn: Mr. Steven Delson

Subject: Preliminary Geologic Hazards Evaluation of
Proposed Carrillo Plaza Project
De La Vina and Carrillo Streets
Santa Barbara, California

Dear Mr. Delson:

INTRODUCTION

This report summarizes the results of our preliminary geologic hazards investigation of the proposed Carrillo Plaza mixed use development. The property is located at the western corner of the intersection of Carrillo and De La Vina Streets in Santa Barbara, California. Please see Plate 1 – Project Location Map. It is our understanding that three- and four-story structures totaling roughly 73,000 square feet are proposed, based on the site plan, dated November 16, 2005, provided to us by the Conceptual Motion Company. Development includes underground parking on two levels as deep as 25 feet below present grade measured from Carrillo Street.

The purpose of our work was to evaluate the geologic feasibility of developing the site as proposed and to provide seismic design criteria. The existing site conditions and topography are depicted on the attached Plate 2 – Geologic Map.

Our work on this project was performed in general conformance with CDMG¹ Notes 43 and 44 and Special Publications 42 and 117, as well as CGS Special Publication 118. Our work consisted of the tasks outlined in our proposal dated March 23, 2006.

Those tasks are summarized as follows:

¹ California Division of Mines and Geology, now known as the California Geologic Survey (CGS).

- Review of aerial photographs
- Review of digital elevation image (DEM)
- Preparation of a geologic map and cross-section
- Geologic hazard analysis of the proposed building site
- Preparation of a summary report

Additional tasks, conducted as requested by the Conceptual Motion Company after we started work, included collection of historic water level data for the shallow aquifer and an estimation of future high water levels. A bucket auger test borehole was scheduled to be drilled during our investigation by the project excavation contractor. As an additional task, we planned to log that borehole and measure water level, but the drilling has been delayed as of the date of this report.

PREVIOUS WORK

Regional investigations (the City and County of Santa Barbara's 1979 Seismic Safety Elements), and regional Geologic Maps (Dibblee, 1988, Hoover, 1978, Jennings, 1994, Minor *et al.*, 2002, and Gurrola, 2002) were reviewed during the course of this investigation. We received a report dated November 1, 2005, prepared by Kennedy/Jenks Consultants, including logs for soil borings pertaining to the investigation of a solvent release from the Norvell-Bass Dry Cleaners site. Other reports with boring logs were obtained and reviewed (McClelland, 1990a and 1990b; Rincon, 1999; GeoSyntec, 2003; and Stollar, 2003) for the Norvell-Bass site investigations. We reviewed Pacific Materials Laboratory's report, dated February 15, 2006, that discussed the geotechnical feasibility of site development. We also reviewed selected previous geologic investigations specific to the nearby Cottage Hospital site.

To evaluate historical shallow groundwater elevation, we reviewed the above-referenced consultant reports, our in-house library, and portions of other selected reports obtained during this investigation for nearby sites where shallow aquifer groundwater monitoring is conducted. Data was reviewed for the Delmonte site on De La Vina Street (Campbell-Geo, 2001 and 2006), the 201 West Carrillo property (SECOR International, 1995), the 126 West Carrillo site (SECOR International, 2003), and Seaside Shell at 101 West Carrillo (Ground Zero, 2002).

SITE CONDITIONS

Existing Land Use/Vegetation

The site is currently developed as the Radio Square commercial/retail center. The site is currently occupied by a mixture of single-story buildings and asphalt covered surfaces. The site was developed commercially over 50 years ago. A dry cleaning operation onsite dates to at least 1948 (RWQCB, 2005). The dry cleaning establishment, currently the Norvell-Bass Dry Cleaners, occupies a portion of the site near the northwest property boundary.

Topography/Drainage

The topography underlying the proposed building site is relatively flat, sloping less than 5% to the southeast, based on topography depicted on the 1" = 100' scale City of Santa Barbara topographic map (sheet F9, 1997).

Surface water flows from the development site by sheet flow to the adjacent streets, south and east of the property.

Groundwater

Shallow groundwater is found in the aquifer called the “shallow zone,” as described by the U.S. Geological Survey (Martin, 1984). Deeper aquifer zones (the “upper producing zone” and the “lower producing zone”) are utilized by the city for water supply and are hydrologically distinct from the shallow zone.

The shallowest reported groundwater was detected at a depth of 17 feet (approximate elevation of 45 feet) in borehole KJSB-1, drilled by Kennedy/Jenks in October, 2005. Pacific Materials Laboratory did not measure groundwater as part of their geotechnical investigation in 2006. Based on water levels in monitoring wells measured by Campbell-Geo onsite in April and May 2006, the depth to groundwater ranged from 23.3 feet to 27.1 feet. The highest current (May) groundwater elevation is in MW-4, at 33.7 feet, based on the well head elevations reportedly surveyed to the vertical reference datum of NAVD 1988 (GeoSyntec, 2003). The elevation of existing ground surface is estimated from the City of Santa Barbara topographic

map (used as a base map for Plate 2 of this report), which is also referenced to NAVD 1988. Recent water levels are summarized on Table I of this report.

The elevation of groundwater has been measured periodically at this site since late 1990, when well MW-1 was drilled. Other onsite wells were drilled more recently and, therefore, have a shorter historical record of water levels. As shown on the water level hydrograph for Norvell-Bass MW-1 on Plate 4, the measured elevation of groundwater varied from +15.9 feet to +34.4 feet between October 1990 and May 2006. However, there are gaps in the record of water levels for Norvell-Bass MW-1, including the 1996-1998 period, when a recent peak in regional shallow groundwater was known to occur, based on other nearsite data (see the hydrographs for Delmonte MW-1 and Seaside MW-5 on Plate 4).

Also presented on Plate 4 and on Table II is rainfall data from the official National Weather Service Santa Barbara station. By using the 138-year long record, an average annual rainfall total (by calendar year) has been calculated. Although shallow groundwater in the Santa Barbara urban area will respond to individual high and low rainfall years, we have observed that a collection of rainfall years, represented by the “cumulative departure from average,” also proves to be useful in analysis. The cumulative departure from average is plotted for each calendar year since 1990 on Plate 4. Based on a rising trend in the average between 1990 and 2005, it is our opinion that shallow groundwater levels are near historic highs. Nearsite shallow groundwater elevations were at their peaks in the spring and early summer of 1998. The 1998 rainfall was the highest recorded total, by water year, in all of the 138-year record for the Santa Barbara NWS rainfall station, and exceeded the 138-year average by over 150%.

By comparing the difference in shallow water elevations between the Norvell-Bass well MW-1 and nearsite wells, the well that is reasonably close, with the most complete record, and that appears to have been surveyed to NAVD 1988, is Seaside Shell's MW-5. Seaside MW-5 is located 250 feet northeast of the Carrillo Plaza site, adjacent to West Carrillo Street on the City Fire Station No. 1 property. We have also used a well (Delmonte MW-1) with a good historical record at a site 1,200 feet to the northwest. Other wells that are closer (126 and 201 West

Carrillo sites) have either incomplete or inadequate monitoring history, or have discrepancies in the reference elevations used.

Due to the gap in data for Norvell-Bass MW-1, we made a correlation of water elevations between MW-1 and Seaside MW-5 in the few instances when data was collected in the same month for each well. The analysis indicates that the MW-1 water elevations were approximately 1.5 feet higher than MW-5 between 1994 and 2005. Using an April 1998 measured water elevation of +34.1 feet from MW-5 as an assumed peak, we estimate that the 1998 peak in Norvell-Bass MW-1 was approximately at elevation +36 feet.

INVESTIGATION

Analysis of Aerial Photographs

Prior to and during our field investigation we analyzed stereo pair aerial photographs collected from a 1983 flight (Pacific Western Aerial Surveys Photos #PW – SB 5-1, 5-2 and 5-3) and an aerial oblique photograph from 1994 (PW 999-63-2). We also evaluated a Digital Elevation Model (DEM) image of the area, prepared from elevation data² enhanced with varying artificial sun angles. The intent of our aerial photo and DEM evaluation was to determine (to the extent possible) whether geomorphological features were visible on or near the building site that were suggestive of fault lineations. The photos do not indicate obvious signs of faults or fault lineations on or trending in a direction towards the site. The aerial photographs extend 2.5 miles east of the site and 3.5 miles west of the site.

According to what we understand was geomorphic interpretation based only on remotely sensed (aerial photo or DEM) data, a “fault line scarp” was mapped near the site by the USGS (Minor *et al.*, 2002). That scarp, if it exists, trends east to west, and is located 150 feet from the south corner of the Carrillo Plaza site, as shown on Plate 2.

² From the US Geological Survey, National Elevation Dataset, 1999.

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Subsurface Exploration

No subsurface exploration was performed by Campbell Geo, Inc. for this investigation. However, Cone Penetrometer Tests (CPTs) were conducted by Pacific Materials Laboratory (PML) in January 2006 as part of a separate geotechnical evaluation, which included an analysis of liquefaction potential. The soils encountered by the CPTs were firm to hard (classified as Soil Profile Type S_D), based on the data in PML's report (PML, 2006). Several other soil boring logs were reviewed from the work of the consultants listed in the Previous Work section of this report.

GEOLOGY

Regional Setting

The City of Santa Barbara is located in the Transverse Range Geomorphic Province of California. The Carrillo Plaza site overlies the Santa Barbara Groundwater Basin, which is a fault-bounded basin composed of Tertiary- and Quaternary-age unconsolidated sedimentary geologic units, with Tertiary or older consolidated rocks forming the basement. The depth to bedrock is roughly 800 feet below the Carrillo Plaza site, based on drilling records in the basin. Regional tectonic forces are compressing the south coast and the Santa Barbara Channel, forming generally east to west oriented folds and faults.

None of the known faults on or near the South Coast of Santa Barbara County are considered active by the State of California under the Alquist-Priolo Earthquake Fault Zoning Act (1972). The closest zoned fault is the Pitas Point Fault in western Ventura County, located 10 miles east of Santa Barbara. However, based on the known epicenters of historic earthquakes, active faults do exist, primarily offshore, much closer to downtown Santa Barbara. A list of important regional faults, distance from the site, and other parameters is presented on Table III of this report.

Site Geology: Lithology

The geologic formation exposed on the site is the Holocene-age stream and flood plain alluvium described by Dibblee (1966) and Gurrola (2002), as shown on Plate 2 – Geologic

Map. An older fanglomerate unit (Qf₄) is mapped to the northeast of the site. The site is underlain by a relatively thin artificial fill section near ground surface, based on reported soil boring data. Firm clay, sand and various sand/silt/gravel mixtures underlie the fill. Cobble or boulder-size sandstone clasts may be encountered in localized zones. Please see the Geologic Cross-Section on Plate 3.

Site Geologic Structure

The Quaternary units are unconsolidated sedimentary materials that are relatively flat-lying and exhibit no bedding planes at the project site. The unconsolidated geologic units of sand, gravel and clay are interfingered as illustrated in cross-section (see Plate 3), based on our interpretation of the data from boring logs prepared by others.

POTENTIAL GEOLOGIC HAZARDS

Faults

A geologic fault is a fracture(s) in the crust of the earth along which rocks or sediments on one side have moved relative to rocks or sediments on the other side. In an earthquake, fault ruptures almost always follow pre-existing faults. Inactive geologic faults are structures with no evidence of movement within the last 1.6 million years. Potentially active geologic faults are those that have exhibited movement during the last 1.6 million years. The State of California (Alquist-Priolo Earthquake Fault Zoning Act, 1972) defines active faults as those where rupture within the last 11,000 years (the Holocene epoch) can be demonstrated.

In the immediate area currently proposed for development, no confirmed active or potentially active faults have been mapped by Campbell-Geo or by other investigations that we have reviewed. The closest confirmed mapped surface trace of a potentially active fault is the southeast-to-northwest trending Mesa Fault located approximately 1,800 feet southwest of the proposed development site. The County of Santa Barbara Seismic Safety Element (1979) considers the Mesa Fault to be active, having displaced geologic units that are 11,000 years old or younger.

The “fault line scarp” shown on Plate 2 is unconfirmed to exist by subsurface data. A detailed study (Fugro, 2003) performed on a “fault line scarp” mapped by the USGS in 2002, concluded that no fault was associated with that feature, located near Cottage Hospital.

Some investigators (including Namson and Davis, 1990) have stated the opinion that the region is underlain by “blind thrust” fault and fold structures. The surface expression of the Mesa Fault, the Lavigia Fault, the North Channel Fault, among others, are simply the intersection of the fault planes with the ground or sea floor surface. However, the theory holds that these fault planes merge at depth into a larger single fault plane or zone with a larger seismic shaking potential than the faults considered to exist by the California Geologic Survey, according to studies by these investigators.

The State of California fault database considers the North Channel Slope Fault to be the closest suspected active fault (see Table III). The North Channel Fault is a low angle (26°) north-dipping reverse fault that is believed to be the source of one or more major earthquakes that have occurred in the Santa Barbara area within the last 200 years. The fault surface expression is located about three to five miles south (offshore) of the coastline near Santa Barbara. However, using the reported fault plane geometry and the reported bottom of the fault rupture surface, the subsurface portion of the fault is estimated by EQFAULT to be directly under downtown Santa Barbara, but at a depth of several kilometers. The fault length reported by the California Geological Survey (CGS, 2002) is 42 miles (68 kilometers). A maximum earthquake magnitude of 7.4 is possible, according to the CGS. The CGS reports the fault slip rate to be approximately 2 mm/year. Given the suspected history of the fault, its proximity, and geometry, we have used the North Channel Slope Fault in our building code analysis in the Conclusions/Recommendations section of this report.

Surface Rupture

The presence of previously unmapped faults representing a surface rupture hazard was not investigated by seismic exploration, trenching, or by other direct methods at the proposed Carrillo Plaza site, since the aerial photograph and DEM interpretations did not reveal any features indicative of a fault(s) through the site.

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Ground Shaking

Severe ground shaking during earthquakes is a hazard endemic to most of California. Several earthquakes of Richter magnitude 6 (or larger) have been recorded in the area in recent historic times. Earthquakes in the Santa Barbara area that produced strong, significant ground shaking affecting this site in recent history include a magnitude 7.0 (M 7.0) event in 1812, the “Santa Barbara” earthquake of 1925 (M 6.3), the 1927 Point Arguello earthquake (M 7.3), a 1941 event (M 5.9), and a 1978 event (M 5.1). Strong site shaking has also been experienced from earthquakes that originated on the San Andreas Fault, approximately 64 miles northeast of Santa Barbara.

Based on the historical earthquake catalog from the CGS used in EQSEARCH (Blake, 2005), the highest ground motion at the site in the last 206 years is estimated to have been 0.247g (peak acceleration).

An estimation of future seismic shaking at the site was developed for this project using the computer models EQSEARCH, EQFAULT, and FRISKSP (Version 3.0, Blake, 2005). The models utilize the California Geological Survey’s catalog of earthquakes and faults in relation to the horizontal coordinates of the site to determine the future peak and repeatable ground accelerations from earthquakes on faults within a 100-km search radius of the Carrillo Plaza site. For this analysis, a Maximum Credible Event (MCE) earthquake of Mw 7.4 on the North Channel Slope Fault is predicted to produce the highest site acceleration (0.926g, as shown on Table III). The return period for that very large earthquake event is predicted to be nearly 2,000 years. Using the attenuation factor provided by Boore *et al.* (1997) for soils with NEHRP D classification, FRISKSP predicts the site acceleration that has a 10% probability of being exceeded in 50 years (475-year return period) is 0.55g (see Appendix B).

Erosion

No areas of active erosion were noted during our site visit.

Liquefaction

Liquefaction is the loss of shear strength in loose, saturated, granular soils caused by severe ground shaking during an earthquake. This hazard has been evaluated by Pacific Materials Laboratory, and is not likely to preclude development of the site.

Slope Stability

The existing natural slope underlying the proposed project site is relatively flat and is not subject to surficial or gross instability. Recommendations for cut and fill slopes should be provided by the geotechnical engineer.

Tsunamis

A tsunami, or a long period ocean wave train, is typically generated by submarine movement along a geologic fault, or by a submarine landslide. Other tsunamigenic events (volcanic eruption, meteor strike or rockfall) are considered to be so rare that they do not impose a statistically significant risk to coastal Santa Barbara. Two types of tsunamis are considered: 1) transoceanic tsunamis generated by seismic events outside of the Santa Barbara Channel, and; 2) locally generated tsunamis caused by submarine movement of faults and/or landslides in the Santa Barbara Channel.

Studies of the onshore elevation affected (run-up height) by a future transoceanic tsunami have been conducted by the US Army Corps of Engineers (Houston and Garcia, 1974) and by the USGS (McCulloch, 1985). Neither study estimated a run-up height exceeding six feet in Santa Barbara for an event with a 100-year return period.

Although occurring with much less frequency, a locally generated tsunami may generate a higher run-up height than a transoceanic tsunami, but still less than the 57-foot elevation of the site. The tsunami locally generated from the 1812 earthquake (M 7.0) reportedly as observed to cause a 10- to 12-foot run-up at Gaviota and a smaller run-up at Santa Barbara (McCulloch, 1985). Borrero *et al.* (2001) estimated a run-up range of six to 39 feet from nearshore tectonic, landslide, or slump sources in the East Santa Barbara Channel.

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Radon Gas

Radon is an odorless and colorless radioactive gas produced by the natural decay of minerals found in many types of earth materials. Potentially unhealthful concentrations of radon gas are found at some locations on the south coast, due to the mineralogy of the underlying geologic unit(s). However, the California State Geological Survey's Radon Zone Map for Santa Barbara County (CDMG, 1995) indicates locally high radon levels should not be expected at the Carrillo Plaza site. Based on the map, radon gas concentrations should be below the threshold of concern (<4 Pico curies per liter).

Settlement, Artificial Fill, and Expansive Soils

The evaluations of these hazards have been addressed by the geotechnical report (PML).

CONCLUSIONS AND RECOMMENDATIONS

General

The development of the area proposed for the construction of the Carrillo Plaza project is feasible from a geologic standpoint, based on the data collected during this investigation.

Groundwater Parameters for Structural Design

The estimated high groundwater elevation at the Carrillo Plaza site is 37 feet above mean sea level referenced to NAVD 1988. This figure is based on an analysis of available data from onsite and nearsite shallow aquifer monitoring wells. This figure assumes that rainfall patterns over the 75-year design life of the project are similar to the 138-year historical record, and that no groundwater infiltration or injection occurs on or near the site in the future.

We recommend that a factor of safety of 1.5 (similar to slope stability and other hazard analyses) be used by the design engineer to evaluate and compensate for structural buoyancy effects. We also agree with Pacific Materials Laboratory's recommendations to control surface runoff and direct it away from the backfill at the exterior of the garage. We recommend that the saturated zone (possibly perched groundwater) reported at a depth of 17 feet (elevation +45

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feet) in the vicinity of KJSB-1 be examined, evaluated, and documented by the geotechnical consultant during excavation to determine the need to revise the estimated high elevation of groundwater in the shallow aquifer.

Seismic Parameters for Structural Design

The North Channel Slope Fault should be considered the controlling seismic source capable of an M 7.4 earthquake with a slip rate of 2 mm/year (Type B seismic source per table 16A-U, 2001 California Building Code).

Ground Motion

The proposed building should be designed and constructed to resist the effects of seismic ground motions as provided in Chapter 16, Division IV of the 1997 Uniform Building Code and the 2001 California Building Code. The basis for the design is dependent upon and considers seismic zoning, site characteristics, occupancy, configuration, structural system and building height.

Soil Profile Type

In accordance with Building Code Section 1629.3.1, Table 16A-J, and the underlying geologic conditions, a site Soil Profile Type S_D is considered appropriate for the proposed building site, as confirmed in the report by the geotechnical engineer.

Seismic Zone

In accordance with Section 1629.1 and Figure 16A-2, the subject site is situated within Seismic Zone 4.

Seismic Zone Factor (z)

A Seismic Zone Factor (z) of 0.40 is assigned based on Table 16A-I. Since the site is within Seismic Zone 4, Section 1629.4.2 requires a Seismic Source Type and Near Source Factor.

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Near-Source Factor (Na and Nv)

Based on the known active faults in the region and distance of the North Channel Fault from the site, a Seismic source Type B per Table 16A-U, and Near Source Factors of $Na = 1.3$ per Table 16A-S and $Nv = 1.6$ per Table 16A-T are provided.

Seismic Coefficients (Ca and Cv)

Using the Soil Profile Type and Seismic Zone Factor along with Tables 16A-Q and 16A-R, the Seismic Coefficients $Ca = 0.44$ (Na) and $Cv = 0.64$ (Nv) are provided, or $Ca = 0.572$ and $Cv = 1.024$.

LIMITATIONS

This report was prepared in accordance with generally accepted geologic principles and practices in the area at this time. No warranty is expressed or implied. This report has been prepared for the exclusive use of DBN Carrillo Village, LLC, and it should not be relied upon for other projects or by other users.

This preliminary report should be submitted to the appropriate government regulatory agencies to determine the need, if any, for supplemental geotechnical or geologic studies.

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If you have any questions concerning this report, please do not hesitate to contact us.

Sincerely,
Campbell-Geo, Inc.



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Michael Maguire, Jr.
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SHC/rig

Carrillo Plaza rev R1.doc

Attachments: Plates (4)
Appendices

cc: Pacific Materials Laboratory
Attn: Mr. Ron Pike

The Conceptual Motion Company
Attn: Mr. Daniel Weber

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TABLE I
RECENT GROUNDWATER DEPTHS AND ELEVATIONS MEASURED IN ONSITE MONITORING WELLS
Carrillo Plaza
Santa Barbara, California

Date	Well MW-1		Well MW-2		Well MW-3		Well MW-4		Well MW-5		Well MW-6	
	Depth to Water (ft.) ⁽¹⁾	Elevation (ft. MSL) ⁽²⁾	Depth to Water (ft.)	Elevation (ft. MSL)	Depth to Water (ft.)	Elevation (ft. MSL)	Depth to Water (ft.)	Elevation (ft. MSL)	Depth to Water (ft.)	Elevation (ft. MSL)	Depth to Water (ft.)	Elevation (ft. MSL)
Total Depth/ Screen Interval	63	43.63	51.5	20-50	51.5	20-50	40.3	20-40	42.3	22-42	40.3	20-40
Ref. Point Elevation ⁽³⁾	60.86		62.11		56.96		60.77		59.57		56.39	
3/30/2005	26.81	34.05	27.91	34.20	23.30	33.66	26.73	34.04	25.73	33.84	22.87	33.52
10/13/2005	28.31	32.55	29.33	32.78	24.81	32.15	28.20	32.57	27.27	32.30	24.37	32.02
4/13/2006	NM	--	NM	--	NM	--	27.12	33.65	26.16	33.41	NM	--
5/22/2006	27.14	33.72	NM	--	23.73	33.23	27.03	33.74	26.03	33.54	23.32	33.07

NOTES:

- (1) Depth is in feet below reference point for each well.
- (2) MSL = Mean Sea Level.
- (3) Well head elevations surveyed in 2003 (GeoSyntec) referenced to NAVD 1988.

NM = Not Measured.

2005 water levels reported by Kennedy/Jenks Consultants.

2006 water levels measured by Campbell-Geo, Inc.

MW-1 Well Construction reported by McClelland Consultants (1990).

Other Well Construction reported by Kennedy/Jenks (2005).

Data from borehole KJSB-1 (10/20/05) includes a reported depth to water of 17 feet, roughly equivalent to elevation +45 feet.

TABLE II
1868-2005 Calendar Year Rainfall Totals and Cumulative Departure from Annual Average
 Rainfall Gauge: Official National Weather Service Santa Barbara Station
 Santa Barbara, California
 1868-2005 Calendar Year Average Annual Rainfall = 18.20 inches

Calendar Year	Annual Rainfall Total (inches)	Annual Departure from Average (inches)	Cumulative Departure from Average (inches)
1868	15.72	-2.48	-2.48
1869	11.88	-6.32	-8.80
1870	11.58	-6.62	-15.42
1871	14.63	-3.57	-18.99
1872	10.87	-7.33	-26.32
1873	11.64	-6.56	-32.88
1874	12.12	-6.08	-38.96
1875	22.34	4.14	-34.82
1876	16.55	-1.65	-36.47
1877	8.61	-9.59	-46.06
1878	29.58	11.38	-34.68
1879	14.70	-3.50	-38.18
1880	29.30	11.10	-27.08
1881	8.16	-10.04	-37.12
1882	12.32	-5.88	-43.00
1883	16.18	-2.02	-45.02
1884	39.01	20.81	-24.21
1885	17.17	-1.03	-25.24
1886	13.86	-4.34	-29.58
1887	17.08	-1.12	-30.70
1888	26.26	8.06	-22.64
1889	32.81	14.61	-8.03
1890	15.44	-2.76	-10.79
1891	14.38	-3.82	-14.61
1892	19.42	1.22	-13.39
1893	19.61	1.41	-11.98
1894	10.09	-8.11	-20.09
1895	11.69	-6.51	-26.60
1896	18.82	0.62	-25.98
1897	12.19	-6.01	-31.99
1898	6.80	-11.40	-43.39
1899	15.06	-3.14	-46.53
1900	10.49	-7.71	-54.24
1901	15.27	-2.93	-57.17
1902	17.85	-0.35	-57.52
1903	12.79	-5.41	-62.93
1904	20.82	2.62	-60.31
1905	21.93	3.73	-56.58
1906	27.97	9.77	-46.81
1907	28.92	10.72	-36.09
1908	16.16	-2.04	-38.13
1909	43.22	25.02	-13.11
1910	10.95	-7.25	-20.36
1911	30.74	12.54	-7.82
1912	14.03	-4.17	-11.99
1913	18.82	0.62	-11.37
1914	29.85	11.65	0.28

TABLE II
1868-2005 Calendar Year Rainfall Totals and Cumulative Departure from Annual Average
 Rainfall Gauge: Official National Weather Service Santa Barbara Station
 Santa Barbara, California
 1868-2005 Calendar Year Average Annual Rainfall = 18.20 inches

Calendar Year	Annual Rainfall Total (inches)	Annual Departure from Average (inches)	Cumulative Departure from Average (inches)
1915	21.42	3.22	3.50
1916	32.17	13.97	17.47
1917	11.07	-7.13	10.34
1918	28.53	10.33	20.67
1919	8.46	-9.74	10.93
1920	13.70	-4.50	6.43
1921	19.65	1.45	7.88
1922	22.49	4.29	12.17
1923	6.98	-11.22	0.95
1924	7.82	-10.38	-9.43
1925	14.14	-4.06	-13.49
1926	20.67	2.47	-11.02
1927	23.21	5.01	-6.01
1928	12.10	-6.10	-12.11
1929	7.62	-10.58	-22.69
1930	16.55	-1.65	-24.34
1931	25.19	6.99	-17.35
1932	10.12	-8.08	-25.43
1933	15.03	-3.17	-28.60
1934	15.20	-3.00	-31.60
1935	16.43	-1.77	-33.37
1936	23.36	5.16	-28.21
1937	20.66	2.46	-25.75
1938	26.80	8.60	-17.15
1939	9.78	-8.42	-25.57
1940	23.26	5.06	-20.51
1941	41.48	23.28	2.77
1942	9.95	-8.25	-5.48
1943	27.00	8.80	3.32
1944	15.76	-2.44	0.88
1945	18.79	0.59	1.47
1946	13.89	-4.31	-2.84
1947	3.99	-14.21	-17.05
1948	11.41	-6.79	-23.84
1949	13.61	-4.59	-28.43
1950	12.15	-6.05	-34.48
1951	13.75	-4.45	-38.93
1952	32.88	14.68	-24.25
1953	6.10	-12.10	-36.35
1954	18.83	0.63	-35.72
1955	18.84	0.64	-35.08
1956	12.40	-5.80	-40.88
1957	20.07	1.87	-39.01
1958	25.93	7.73	-31.28
1959	9.67	-8.53	-39.81
1960	16.86	-1.34	-41.15
1961	8.18	-10.02	-51.17
1962	21.46	3.26	-47.91

TABLE II
1868-2005 Calendar Year Rainfall Totals and Cumulative Departure from Annual Average
 Rainfall Gauge: Official National Weather Service Santa Barbara Station
 Santa Barbara, California
 1868-2005 Calendar Year Average Annual Rainfall = 18.20 inches

Calendar Year	Annual Rainfall Total (inches)	Annual Departure from Average (inches)	Cumulative Departure from Average (inches)
1963	20.61	2.41	-45.50
1964	13.11	-5.09	-50.59
1965	21.96	3.76	-46.83
1966	11.53	-6.67	-53.50
1967	21.23	3.03	-50.47
1968	11.81	-6.39	-56.86
1969	29.33	11.13	-45.73
1970	18.79	0.59	-45.14
1971	12.55	-5.65	-50.79
1972	7.29	-10.91	-61.70
1973	20.90	2.70	-59.00
1974	21.55	3.35	-55.65
1975	10.26	-7.94	-63.59
1976	13.99	-4.21	-67.80
1977	16.39	-1.81	-69.61
1978	39.48	21.28	-48.33
1979	18.57	0.37	-47.96
1980	23.77	5.57	-42.39
1981	16.21	-1.99	-44.38
1982	21.61	3.41	-40.97
1983	42.16	23.96	-17.01
1984	8.35	-9.85	-26.86
1985	10.71	-7.49	-34.35
1986	20.00	1.80	-32.55
1987	15.33	-2.87	-35.42
1988	13.51	-4.69	-40.11
1989	5.82	-12.38	-52.49
1990	5.52	-12.68	-65.17
1991	21.36	3.16	-62.01
1992	21.93	3.73	-58.28
1993	23.28	5.08	-53.20
1994	13.43	-4.77	-57.97
1995	33.18	14.98	-42.99
1996	27.89	9.69	-33.30
1997	18.52	0.32	-32.98
1998	37.15	18.95	-14.03
1999	10.57	-7.63	-21.66
2000	24.58	6.38	-15.28
2001	26.99	8.79	-6.49
2002	15.30	-2.90	-9.39
2003	15.36	-2.84	-12.23
2004	18.15	-0.05	-12.28
2005	30.13	11.93	-0.35

Note: Annual rainfall totals published by City of Santa Barbara Public Works Department.

TABLE II
SUMMARY OF NEARBY FAULTS AS POTENTIAL SOURCES OF SEISMIC SHAKING
Carrillo Plaza Site - 210 West Carrillo Street
Santa Barbara, California
source: EQFAULT, ver. 3.0, 2005

FAULT NAME	Approximate Distance mi (km)	Estimated Maximum Earthquake Event		
		Maximum Earthquake Mag. (Mw)	Peak Site Accel. (g)	Est. Site Shaking Intensity (modified Mercalli Scale)
North Channel Slope ⁽¹⁾	0.0	(0.0)	7.4	XI
M. Ridge - Arroyo Parida - Santa Ana	1.9	(3.1)	7.2	XI
Red Mountain	2.8	(4.5)	7.0	X
Santa Ynez (East)	5.6	(9.0)	7.1	X
Oak Ridge Mid-Channel Structure	6.1	(9.8)	6.6	IX
Santa Ynez (West)	6.4	(10.3)	7.1	IX
Ventura - Pitas Point	10.1	(16.3)	6.9	IX
Channel Is. Thrust (Eastern)	10.1	(16.3)	7.5	X
Oak Ridge (Blind Thrust Offshore)	17.0	(27.4)	7.1	IX
Anacapa - Dume	21.6	(34.7)	7.5	IX
Big Pine	24.2	(38.9)	6.9	VIII
Los Alamos - W. Baseline	25.2	(40.5)	6.9	VIII
Santa Cruz Island	27.8	(44.8)	7.0	VIII
Santa Rosa Island	29.7	(47.8)	7.1	VIII
Oak Ridge (Onshore)	30.8	(49.6)	7.0	VIII
San Cayetano	31.2	(50.2)	7.0	VIII
San Andreas	39.5	(63.5)	8.0	VIII

NOTES:

(1) Although the surface trace of the North Channel Slope Fault is offshore, the CGS and EQFAULT estimate the zero horizontal distance between the site and the fault based on the low angle, north-dipping geometry of the fault plane.

Additional faults not listed by EQFAULT include the Mesa Fault, the Rincon Creek Fault, the More Ranch Fault, the Red Mountain Fault, the Carpinteria Fault, and the San Jose Fault, per Moore and Taber, 1979.

File



A portion of the U.S.G.S. 7.5' "Santa Barbara" quadrangle (1995)

PROJECT LOCATION MAP

CARRILLO PLAZA PROJECT

210 WEST CARRILLO STREET

Santa Barbara, California

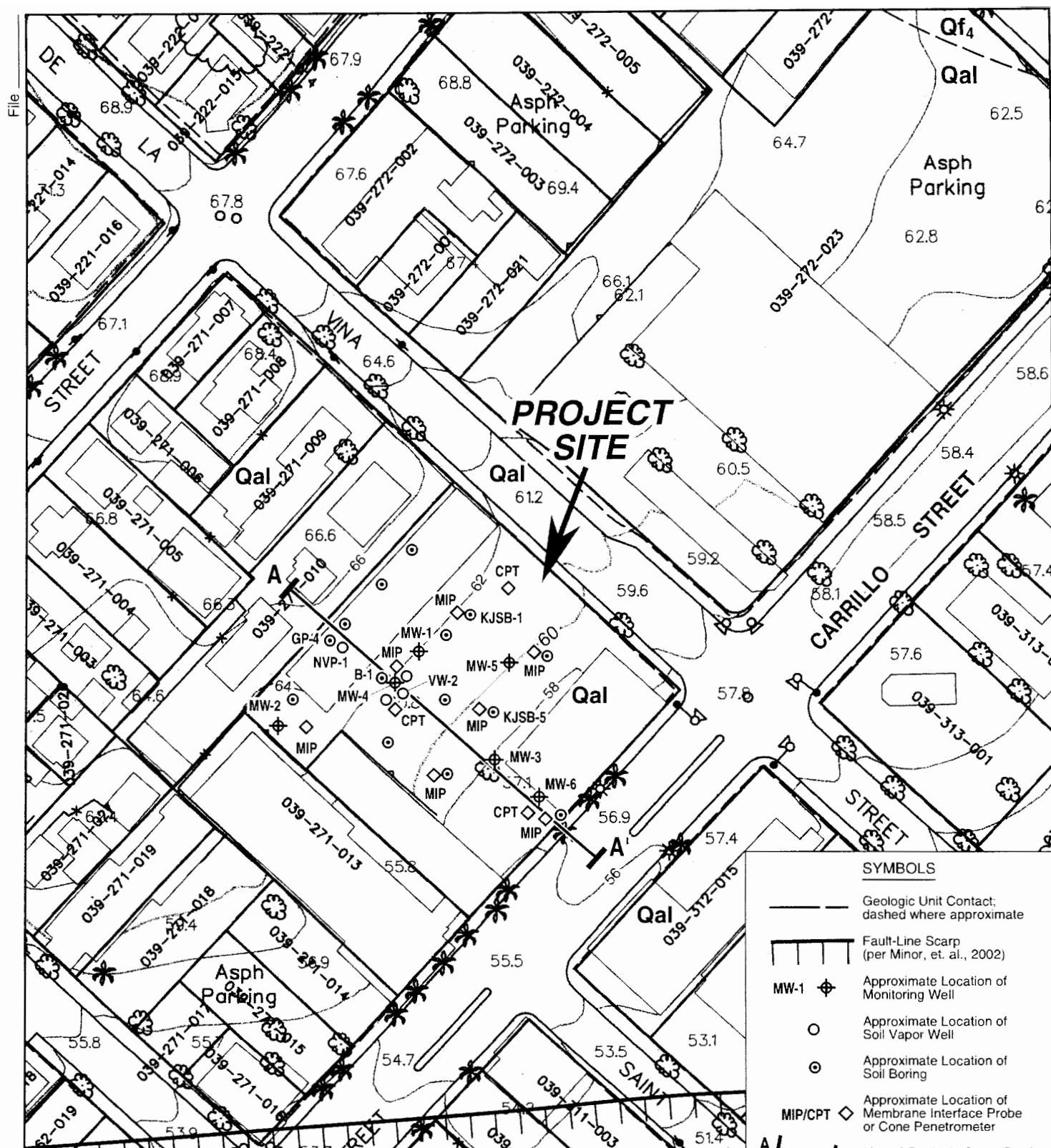
By DAS Date 5-22-06



SCALE IN FEET

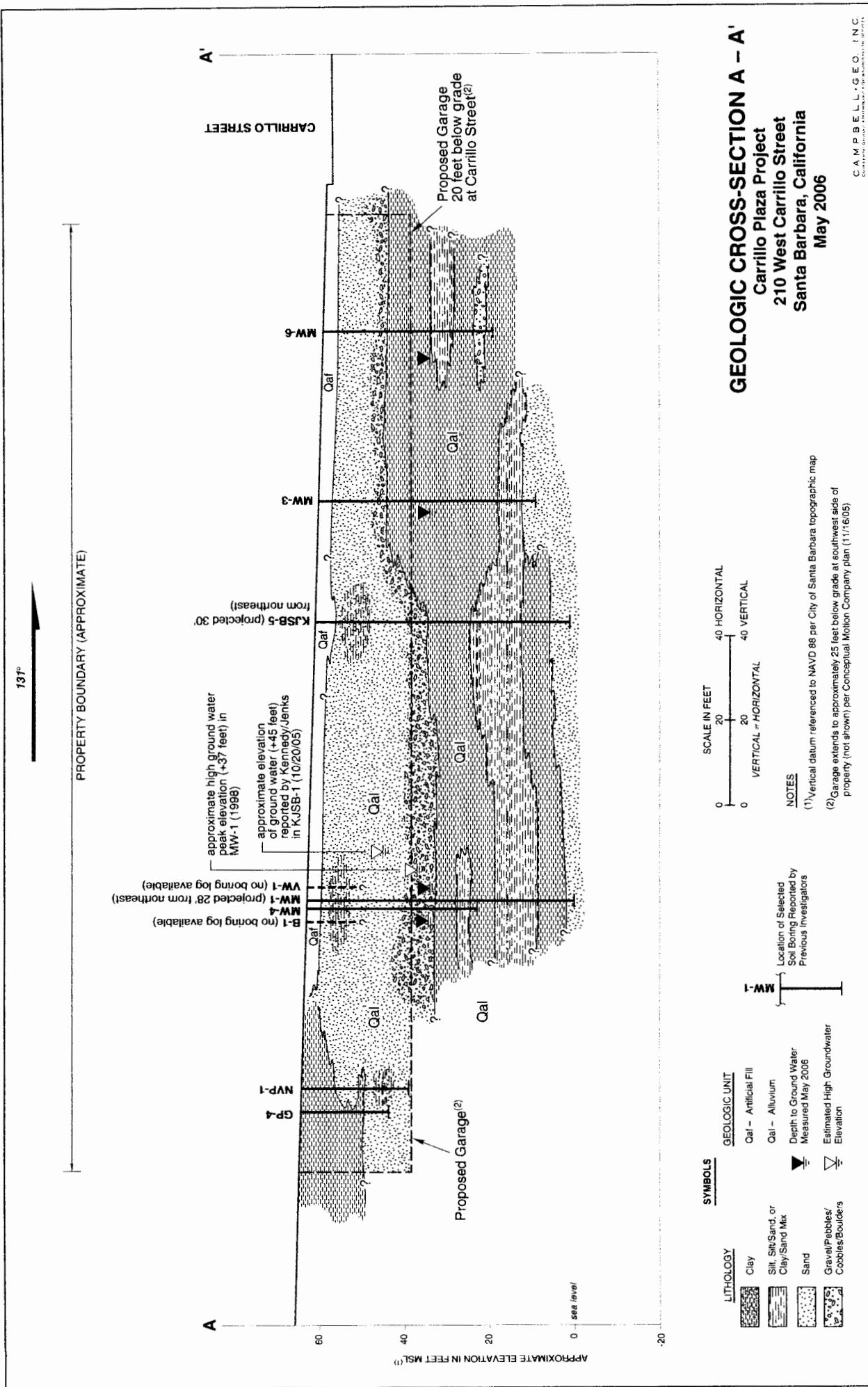
0 2000 4000

C A M P B E L L • G E O , I N C .
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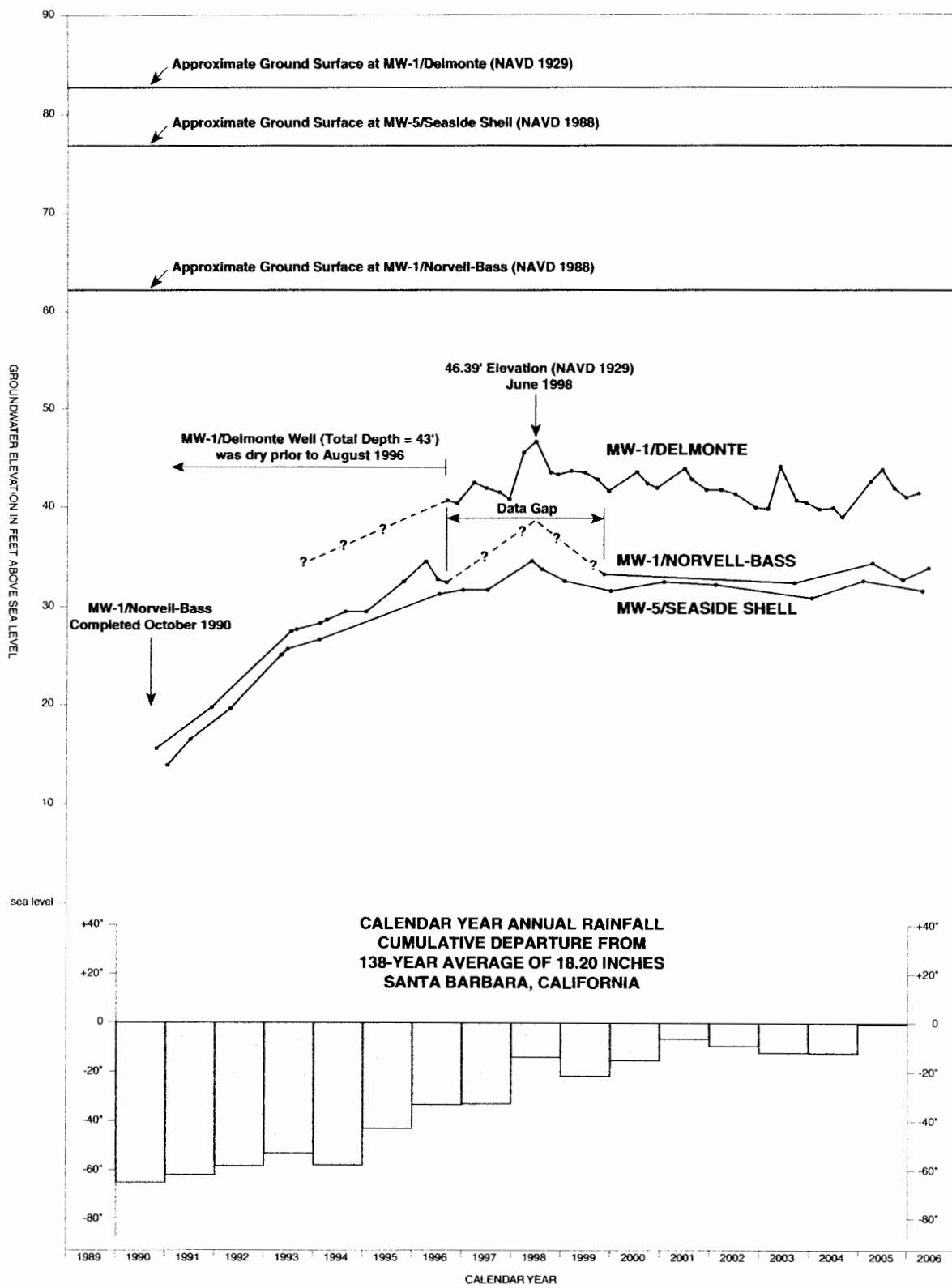


Basemap: Sheet F9 of the City of Santa Barbara topographic map set, April 1997.
Vertical datum is NAVD 1988.

Note: Well and boring locations based on several previous investigations by others (1990 to 2006).



WATER LEVEL HYDROGRAPHS AND RAINFALL DATA
DELMONTE WELL MW-1, NORVELL-BASS WELL MW-1, AND SEASIDE SHELL MW-5
1233 and 1015 De La Vina Street and 101 West Carrillo Street
Santa Barbara, California



Rainfall Data: City of Santa Barbara Public Works Department

Norvell-Bass Groundwater Elevation Data: McClelland Consultants; Rincon Consultants; GeoSyntec Consultants; Kennedy/Jenks Consultants; and CampbellGeo, Inc.

Delmonte Groundwater Elevation Data: Hoover and Associates, Inc. and CampbellGeo, Inc.

APPENDIX A

Selected Boring Logs from
Previous Investigations

LOG OF BORING: MW-1
 Gold Key Management - Radio Square
 Santa Barbara, California

DRILLING METHOD: Hollow Stem Auger

LOCATION: De La Vina & Carrillo St

DEPTH, FT	SYMBOL	SAMPLES PER FOOT	STRATUM DESCRIPTION	LAYER DEPTH/ELEV.	HNU	TETRACHLORO-ETHENE, ppm	TRICHLORO-ETHENE, ppm
			ASPHALT - BASE FILL: Brown to reddish brown, Clayey, fine SAND, moist, no odor, with gravel and cobbles				
		(37)	ALLUVIUM: Light reddish brown, Clayey, fine SAND, very moist, no odor				
10		(28)	ALLUVIUM: Light reddish brown, Silty, fine to medium SAND, very moist, no odor, poorly-graded				
		(16)					
20		(26)					
			- coarse sand/gravel layer, at 23'				
		(24)	ALLUVIUM: Light reddish brown, fine Sandy CLAY, moist, no odor			0.819	ND
30		(22)					
		(56)	ALLUVIUM: Brown to reddish brown, Clayey, medium to coarse SAND, with gravel, very dense, moist, no odor			0.048	ND
40		(17)	ALLUVIUM: Brown, fine Sandy CLAY, moist, no odor			ND	ND

Continued Next Page

COMPLETION DEPTH: 63.0 ft DATE: 10-1-90
 DEPTH TO WATER: 45.0 ft WELL DIAMETER: 8"
 COMMENTS: No odors noted

10/18/90

NOTE: ND = Not Detected

Logged by: JRC
 Checked by: LCN

OTM00068

0901-6540

McClelland consultants

Santa Barbara, California

DEPTH, FT	SYMBOL	SAMPLES	BLOWS PER FOOT	STRATUM DESCRIPTION	LAYER DEPTH/ELEV.	DN	TETRACHLORO-ETHENE, PPM	TRICHLORO-ETHENE, PPM
				(11) ALLUVIUM: Brown, fine Sandy CLAY, moist, no odor		0	ND	ND
50				(44) ALLUVIUM: Brown to light brown, Clayey, fine to medium SAND, moderately graded, dense, very wet - water table at 45'		0		
				(30) ALLUVIUM: Brown to light brown, CLAY, with occasional black pockets of organics, very wet, no odor		0		
60				(50) BEDROCK: Light brown, weathered SANDSTONE, with loose sand, very hard, very moist		0		
70								
80								
COMPLETION DEPTH: 83.0 ft DATE: 10-1-90				NOTES: ND = Not Detected				
DEPTH TO WATER: 45.0 ft WELL DIAMETER: 8"				OTM00069				
COMMENTS: No odors noted				Logged by: JRC Checked by: VEH				
10/16/90				D901-6360				

McClelland consultants

PLATE 2b



Rincon Consultants

LOG OF BORING GP-4

(Page 1 of 1)

Radio Square/Carrillo Plaza 1015 De La Vina Street Santa Barbara, California				Date Completed : 9/21/99	Logged By : J. Marcillac
Project No. 98-7650				Depth : 20	
				Location : In northwest corner of dry cleaner.	
				Method : Geoprobe	
				Drilled By : Vironex	
Depth in Feet	PID	Lab No.	Samples	GRAPHIC	USCS
DESCRIPTION					
0	0	GP-4@1			LEAN CLAY, 60% semi-plastic clay, 30% silt, 10% fine sand; moderate yellowish brown (10YR5/4) slightly mottled with moderate brown (5YR 4/4); damp; no odor.
5	0	GP-4@5			LEAN CLAY WITH SAND, 40% plastic clay, 40% silt, 20% fine sand; moderate brown (5YR4/4); damp; no odor.
10	0	GP-4@10		CL	SANDY LEAN CLAY, 40% plastic clay, 30% silt, 30% fine sand; moderate brown (5YR4/4); damp; no odor.
15	0	GP-4@15		SM	SILTY SAND, 70% rounded fine sand; 30% silt; moderate yellowish brown (10YR5/4) mottled with pale yellowish brown; moist; no odor.
20	0	GP-4@20		SW-SM	WELL GRADED SAND WITH SILT, 85% fine to coarse sub-rounded sand; 10% silt, 5% sub-angular gravel to 1 cm.; moderate brown (5YR 4/4); moist; no odor.
				No groundwater encountered. Boring backfilled with hydrated bentonite chips and capped with cement. All lithologic percentages are approximate.	

Rincon Consultants

LOG OF BORING MW-3

(Page 1 of 2)

Radio Square/Carrillo Plaza
1015 De La Vina Street
Santa Barbara, California

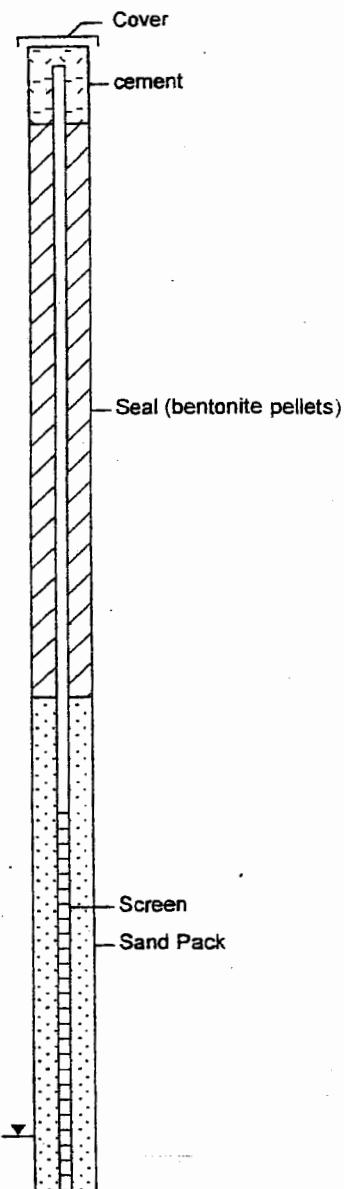
Project No.

98-7650

Date Completed : 10/15/98 Logged By : J. Marcillac
Depth : 50
Location : Just northwest of northwest corner of Carrows Restaurant
Method : Hollow stem auger.
Drilled By : Valley Well Drilling

Depth in Feet	PID	Samples	Blow Count	GRAPHIC	USCS	DESCRIPTION	
0						Asphalt	
5	0		12 25 25	GW		Gravelly fill material with tree roots.	
10	0		15 20 26	SM		SILTY SAND, 85% rounded fine sand, 15% silt; moderate brown (5YR4/4); dense; moist; no odor.	
15	0		20 50			SILTY SAND, 75% rounded to sub-angular fine to coarse sand, 20% silt, 5% clay; moderate yellowish brown (10YR5/4); dense; moist; no odor. Dark sandstone boulder fragment lodged in end of sampler.	
20	0		25 50			SILTY SAND, 65% rounded to sub-angular fine to coarse sand, 20% silt, 15% clay; moderate yellowish brown (10YR5/4); very dense; moist; no odor. Buff sandstone boulder fragment at 16 feet bg.	
25	0		10 12 15	CL		LEAN CLAY, 55% semi-plastic clay, 40% silt, 5% fine sand; moderate brown (5YR4/4); very stiff; moist; no odor.	
30						LEAN CLAY, 65% semi-plastic clay, 30% silt, 5% fine sand; moderate yellowish brown (10YR5/4); very stiff; moist; no odor. Trace charcoal stringers. Reddish brown sandstone boulder fragment at end of sample.	

Well: MW-2
Elev.:



Rincon Consultants

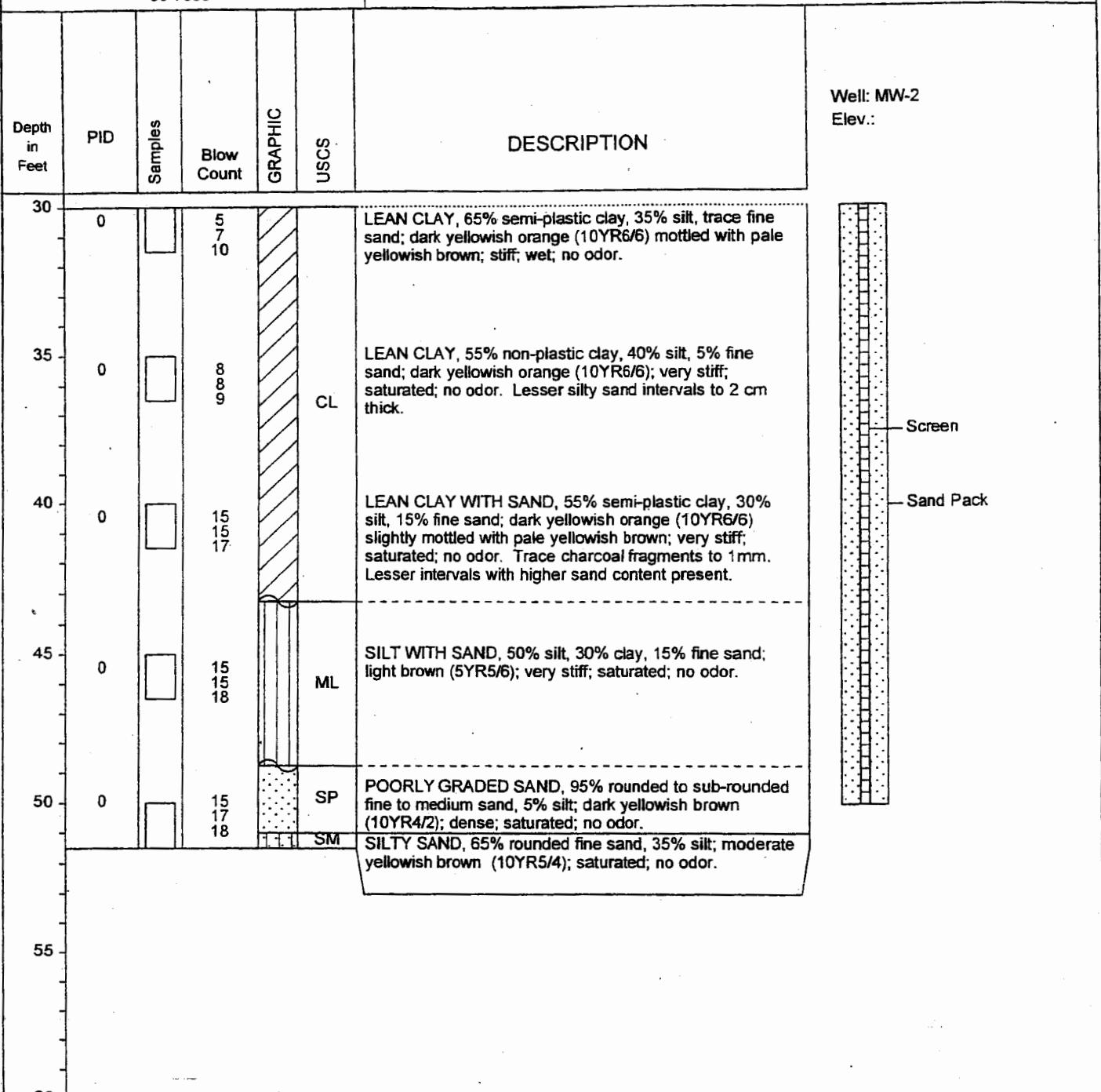
LOG OF BORING MW-3

(Page 2 of 2)

Radio Square/Carmillo Plaza
1015 De La Vina Street
Santa Barbara, California

Project No.
98-7650

Date Completed	: 10/15/99	Logged By	: J. Marcillac
Depth	: 50		
Location	: Just northwest of northwest corner of Carrows Restaurant.		
Method	: Hollow stem auger.		
Drilled By	: Valley Well Drilling		





GEOSYNTEC CONSULTANTS

924 Anacapa Street, Suite 4A
Santa Barbara, California 93101
Tel: (805) 897-3800 Fax: (805) 899-8689

GS FORM:
WELLBORE SB 8/03

BOREHOLE LOG

BORING MW-4

START DATE Aug 7, 03

FINISH DATE Aug 7, 03

PROJECT Carrillo Plaza

LOCATION 1015 De La Vina St. DATUM

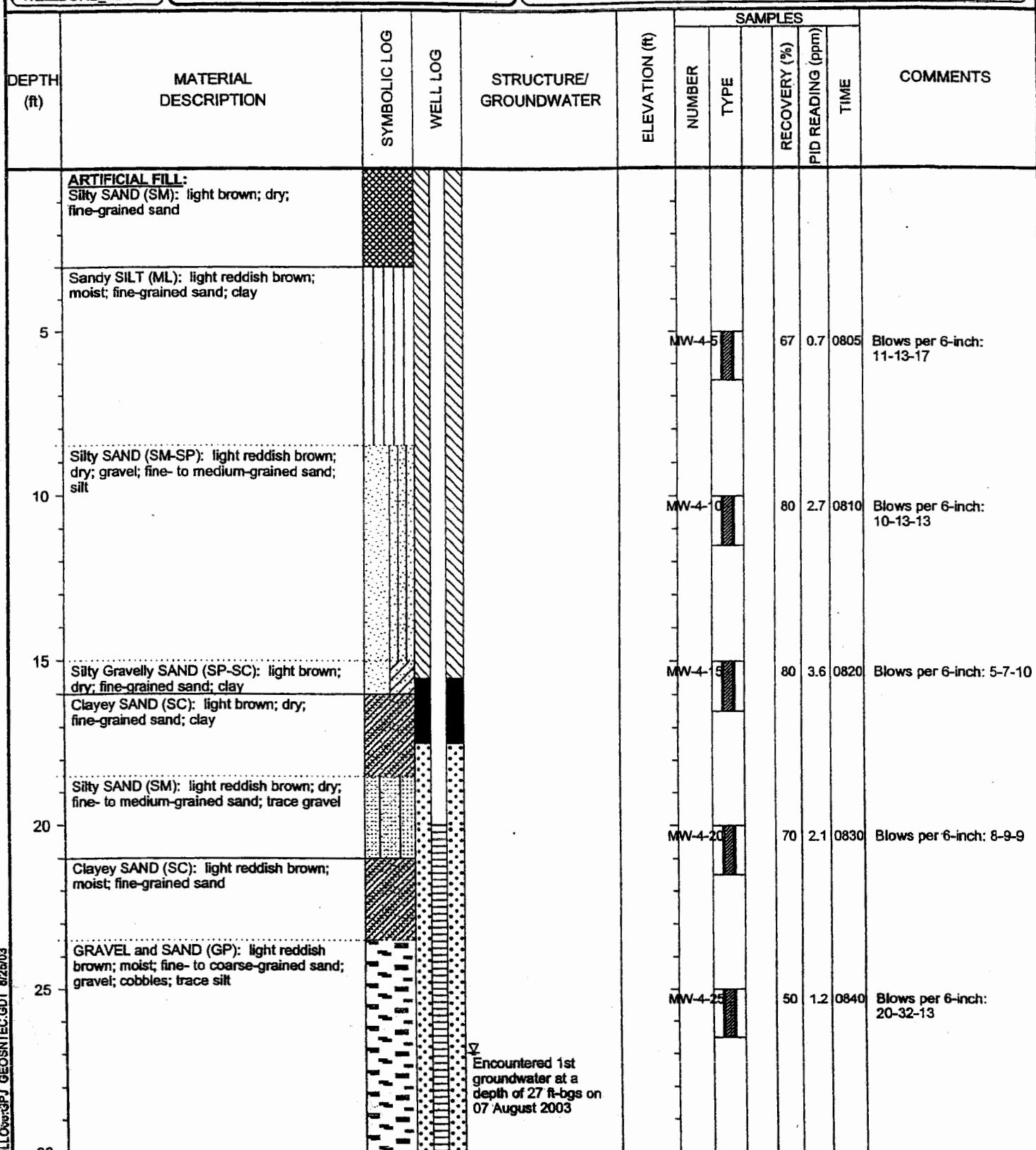
SHEET 1 OF 2

GROUND SURF. FT.

TOP OF CASING 60.77 FT.

NAVD88

NUMBER HX0156



WELLBORE SB CARRILLO LOG:GPJ GEOSYNTEC.GDT 8/25/03

CONTRACTOR Valley Well

EQUIPMENT

DRILL MTHD Hollow Stem Auger

DIAMETER 8-inch

LOGGER D. Zell

NORTHING

EASTING

ANGLE Vertical

REMARKS:

REVIEWER

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



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GS FORM:
WELLBORE SB 8/03

BOREHOLE LOG

BORING MW-4

START DATE Aug 7, 03

FINISH DATE Aug 7, 03

PROJECT Carrillo Plaza

LOCATION 1015 De La Vina St. DATUM

NUMBER HX0156

SHEET 2 OF 2

GROUND SURF. FT.

TOP OF CASING 60.77 FT.

NAVD88

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES			COMMENTS
						NUMBER	TYPE	RECOVERY (%)	
	Silty CLAY (CL): yellowish brown; moist; trace fine-grained sand				MW-4-30			100	Blows per 6-inch: 5-6-12
35	Clayey SAND (SC): light brown; wet; coarse-grained sand; gravel @ 36' - decrease in gravel				MW-4-35			80	Blows per 6-inch: 20-40-15
40	Silty CLAY (CL): yellowish brown; wet; trace fine-grained sand				MW-4-40			67	Blows per 6-inch: 7-11-16
45									
50									
55									
60									

CONTRACTOR Valley Well

NORTHING

EQUIPMENT

EASTING

DRILL MTHD Hallow Stem Auger

ANGLE Vertical

DIAMETER 8-inch

REMARKS:

LOGGER D. Zell

REVIEWER

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



GEOSYNTEC CONSULTANTS

924 Anacapa Street, Suite 4A
Santa Barbara, California 93101
Tel: (805) 897-3800 Fax: (805) 899-8689

GS FORM:
WELLBORE SB 8/03

BOREHOLE LOG

BORING MW-6

SHEET 1 OF 2

START DATE Aug 6, 03

GROUND SURF. FT.

FINISH DATE Aug 6, 03

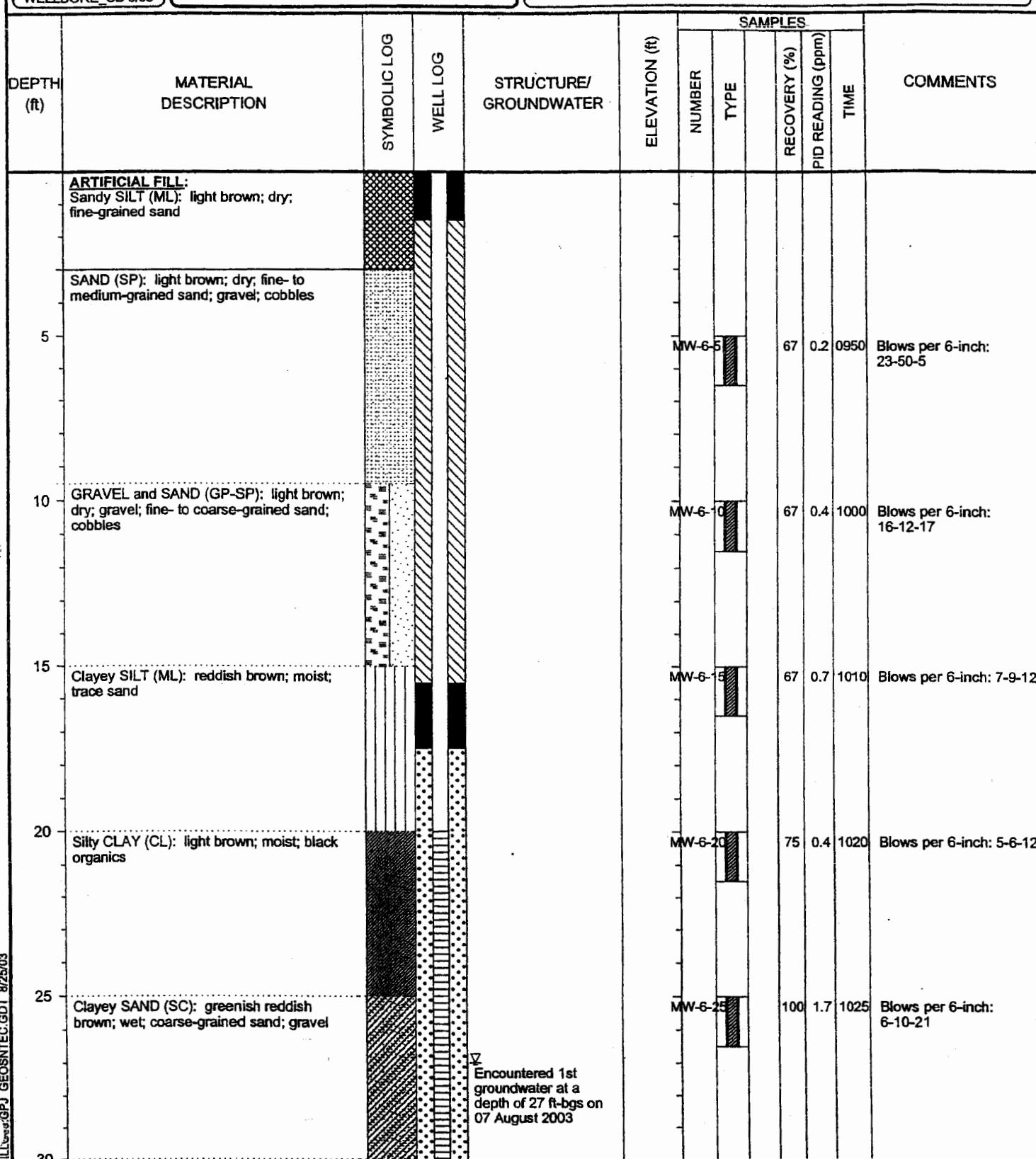
TOP OF CASING 56.39 FT.

PROJECT Carrillo Plaza

LOCATION 1015 De La Vina St DATUM

NAVD88

NUMBER HX0156



CONTRACTOR Valley Well

EQUIPMENT

DRILL MTHD Hallow Stem Auger

DIAMETER 8-inch

LOGGER D. Zell

NORTHING

EASTING

ANGLE Vertical

REVIEWER

REMARKS:

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



GeoSYNTEC CONSULTANTS

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Santa Barbara, California 93101
Tel: (805) 897-3800 Fax: (805) 899-8689

GS FORM:
WELLBORE SB 8/03

BOREHOLE LOG

BORING MW-6

SHEET 2 OF 2

START DATE Aug 6, 03

GROUND SURF. FT.

FINISH DATE Aug 6, 03

TOP OF CASING 56.39 FT.

PROJECT Carrillo Plaza

LOCATION 1015 De La Vina St. DATUM

NAVD88

NUMBER HX0156

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES			COMMENTS	
						NUMBER	TYPE	RECOVERY (%)		
	Silty CLAY (CL): light brown; wet; coarse-to fine-grained sand; organics				MW-6-30			75	0.8	Blows per 6-inch: 16-23-36
35	Silty GRAVEL (GM): dark brown; wet				MW-6-35			100	0.2	Blows per 6-inch: 10-10-13
	Sandy CLAY (CL): light brown; wet; fine-grained sand				MW-6-40			67	0.2	Blows per 6-inch: 7-16-30
40										
45										
50										
55										
60										

WELLBORE SB CARRILLO PLAZA GS FORM 8/25/03

CONTRACTOR Valley Well

NORTHING

EQUIPMENT

EASTING

DRILL MTHD Hallow Stem Auger

ANGLE Vertical

DIAMETER 8-inch

REMARKS:

LOGGER D. Zell

REVIEWER

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

Boring Log

Kennedy/Jenks Consultants

TOTAL DEPTH = 25 FEET

Boring Log

Kennedy/Jenks Consultants

BORING LOCATION				Northeast Corner of Parking lot				Boring Name	KJSB-1			
DRILLING COMPANY		Vironex	DRILLER	Bruce				Project Name	Carrillo Plaza			
DRILLING METHOD(S)		Direct Push	DRILL BIT(S) SIZE	2"				Project Number	0583006			
ISOLATION CASING		n/a	FROM	TO	FT.	ELEVATION AND DATUM		TOTAL DEPTH				
BLANK CASING		n/a	FROM	TO	FT.	Not Surveyed		55.0 ft. bgs				
SLOTTED CASING		n/a	FROM	TO	FT.	DATE STARTED		DATE COMPLETED				
SIZE AND TYPE OF FILTER PACK		n/a	FROM	TO	FT.	STATIC WATER ELEVATION		n/a				
SEAL		n/a	FROM	TO	FT.	LOGGED BY		Jay Knight				
GROUT		n/a	FROM	TO	FT.	SAMPLING METHODS		WELL COMPLETION				
						<input type="checkbox"/> SURFACE HOUSING						
						<input type="checkbox"/> STAND PIPE		n/a				
SAMPLES				BACKFILL DETAILS				USGS Lap	Lithology	Color		
Type & No.	Recovery (Feet)	Pene- trat. Reatt. Blowout*	Dia. Depth (Feet)					SAMPLE DESCRIPTION and DRILLING REMARKS				

Boring Log

Kennedy/Jenks Consultants

Project Name		Carrillo Plaza		Project Number		0583006	Boring Name	KJSB-1		
Type & No.	SAMPLES	Depth (ft)	Penetr. Rate (ft/min)	BACKFILL DETAILS		USCS Log	Lithology	Date	SAMPLE DESCRIPTION and DRILLING REMARKS	
X	1.5								CLAYEY SILT (ML) YELLOWISH BROWN, WET MEDIUM STIFF	
X	2.5	35.1						10YR 24	INTERBEDDED WITH LENSES OF SAND AND GRAVELLY SAND	
X	3	40				ML				
X	4.5	45						10YR 14	SILTY SAND (SM) DARK YELLOWISH BROWN, FINE, SLIGHTLY MOIST, MEDIUM DENSE, ORGANICS WITH LENSES OF GRAVELLY SAND	
X	6	50				SM				
X	7.5	55				ML	10YR 14	CLAYEY SILT (ML) LIGHT GRAY TO YELLOWISH BROWN, MOTTLED, MOIST, VERY STIFF SILTY SAND (SM) DARK YELLOWISH BROWN, FINE, SLIGHTLY MOIST, MEDIUM DENSE, ORGANICS WITH LENSES OF GRAVELLY SAND		
						SM	10YR 44			
TOTAL DEPTH = 55 FEET										

Boring Log

Kennedy/Jenks Consultants

Boring Log

Kennedy/Jenks Consultants

Project Name			Carrillo Plaza		Project Number		0583006		Boring Name	KJSB-5
SAMPLES			BACKFILL DETAILS		USCS Log		Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS	
Type and Size	Recovery (Feet)	Porous Tiegel Volume	Dry Depth (Feet)							
							CL	SANDY CLAY (CL) DARK YELLOWISH BROWN, FINE SAND, WET, STIFF, continued		
								INTERBEDDED WITH CLAYEY SAND AND SILTY CLAY		
							SC	CLAYEY SAND (SC) YELLOWISH BROWN, FINE TO MEDIUM, SOME COARSE SAND AND GRAVELLY LENSES, WET, DENSE		
								WITH CLAY LENSES, LITTLE OR NO GRAVEL		
							ML	SANDY SILT (ML) DARK YELLOWISH BROWN, WITH CLAY LENSES, WET, VERY STIFF		
							SC	CLAYEY SAND (SC) STRONG BROWN, FINE TO MEDIUM, WET, DENSE		
							CL	CLAY (CL) YELLOWISH BROWN TO LIGHT BROWNISH GRAY, MOTTLED, MOIST, VERY STIFF		
							SM	SILTY SAND (SM) DARK YELLOWISH BROWN, FINE, MOIST, DENSE		
							SP	SAND (SP) BROWNISH YELLOW, FINE TO MEDIUM, MOIST, DENSE		
								TOTAL DEPTH = 60 FEET		

APPENDIX B

Estimation of Peak Acceleration in Last 207 Years
from EQSEARCH (ver. 3.0, 2005)
(S_D soil class, thrust fault analysis)

Probabilistic Ground-Motion Evaluation
FRISKSP (2005)

EQSEARCH CPLAZ2.OUT

S. V. P. test

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*****  
*          *  
*          E Q S E A R C H  *  
*          *  
*          Version 3.00  *  
*          *  
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ESTIMATION OF
PEAK ACCELERATION FROM
CALIFORNIA EARTHQUAKE CATALOGS

JOB NUMBER: 166-001

DATE: 05-24-2006

JOB NAME: Carrillo Plaza

EARTHQUAKE-CATALOG-FILE NAME: ALLQUAKE.DAT

MAGNITUDE RANGE:

MINIMUM MAGNITUDE: 4.00
MAXIMUM MAGNITUDE: 9.00

SITE COORDINATES:

SITE LATITUDE: 34.4195
SITE LONGITUDE: 119.7048

SEARCH DATES:

START DATE: 1800
END DATE: 2006

SEARCH RADIUS:

100.0 mi
160.9 km

ATTENUATION RELATION: 3) Boore et al. (1997) Horiz. - NEHRP D (250)

UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0

ASSUMED SOURCE TYPE: BT [SS=Strike-slip, DS=Reverse-slip, BT=Blind-thrust]

SCOND: 0 Depth Source: A

Basement Depth: 5.00 km Campbell SSR: Campbell SHR:

COMPUTE PEAK HORIZONTAL ACCELERATION

MINIMUM DEPTH VALUE (km): 0.0

EQSEARCH CPLAZ2.OUT

EARTHQUAKE SEARCH RESULTS

Page 1

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
MGI	34.4000	119.7000	03/25/1806	8 0 0.0	0.0	5.00	0.247	IX	1.4(2.2)
MGI	34.4000	119.7000	07/06/1926	1745 0.0	0.0	4.00	0.146	VIII	1.4(2.2)
MGI	34.4000	119.7000	08/26/1927	1240 0.0	0.0	4.00	0.146	VIII	1.4(2.2)
MGI	34.4000	119.7000	06/24/1926	1530 0.0	0.0	4.00	0.146	VIII	1.4(2.2)
MGI	34.4000	119.7000	08/09/1926	412 0.0	0.0	4.00	0.146	VIII	1.4(2.2)
DMG	34.4710	119.7570	11/16/1958	934 6.1	15.2	4.00	0.104	VII	4.6(7.4)
DMG	34.4900	119.6910	09/16/1962	181235.2	13.3	4.00	0.100	VII	4.9(7.9)
PAS	34.3470	119.6960	08/13/1978	225453.4	12.8	5.10	0.177	VIII	5.0(8.1)
MGI	34.5000	119.7000	07/29/1925	14 0 0.0	0.0	4.00	0.094	VII	5.6(8.9)
MGI	34.5000	119.7000	08/26/1919	1212 0.0	0.0	4.00	0.094	VII	5.6(8.9)
MGI	34.5000	119.7000	08/26/1919	1457 0.0	0.0	4.00	0.094	VII	5.6(8.9)
MGI	34.4000	119.8000	09/09/1929	515 0.0	0.0	4.60	0.129	VIII	5.6(9.0)
PAS	34.4020	119.8020	03/10/1986	153316.3	18.0	4.10	0.098	VII	5.7(9.1)
T-A	34.5000	119.6700	02/09/1902	15 0 0.0	0.0	4.30	0.106	VII	5.9(9.5)
T-A	34.5000	119.6700	06/01/1893	12 0 0.0	0.0	5.00	0.154	VIII	5.9(9.5)
T-A	34.5000	119.6700	07/09/1885	0 0 0.0	0.0	4.30	0.106	VII	5.9(9.5)
T-A	34.5000	119.6700	05/31/1854	1250 0.0	0.0	4.30	0.106	VII	5.9(9.5)
T-A	34.5000	119.6700	03/14/1857	23 0 0.0	0.0	4.30	0.106	VII	5.9(9.5)
T-A	34.5000	119.6700	06/25/1855	22 0 0.0	0.0	4.30	0.106	VII	5.9(9.5)
DMG	34.3500	119.7670	11/10/1940	102510.0	0.0	4.00	0.090	VII	6.0(9.6)
T-A	34.4200	119.8200	00/00/1862	0 0 0.0	0.0	5.70	0.209	VIII	6.6(10.6)
DMG	34.3170	119.7000	10/21/1953	16 238.0	0.0	4.00	0.081	VII	7.1(11.4)
DMG	34.3250	119.7610	08/09/1956	0 849.2	4.0	4.00	0.080	VII	7.3(11.7)
DMG	34.3670	119.5830	07/01/1941	75054.8	0.0	5.90	0.208	VIII	7.8(12.6)
DMG	34.3330	119.5830	09/08/1941	31423.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	945 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/12/1941	1618 0.0	0.0	4.50	0.089	VII	9.2(14.7)
DMG	34.3330	119.5830	09/14/1941	14518.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	11/21/1941	1656 3.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	1820 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	10/02/1938	1845 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	11/18/1941	18 810.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	09/08/1941	31245.0	0.0	4.50	0.089	VII	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	1025 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	821 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	830 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	858 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	09/25/1941	51256.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/03/1941	1926 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/02/1941	2219 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	819 0.0	0.0	4.00	0.069	VI	9.2(14.7)

EQSEARCH CPLAZZ. OUT									
DMG	34.3330	119.5830	07/01/1941	9 5 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	09/15/1941	137 2.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	848 0.0	0.0	4.00	0.069	VI	9.2(14.7)
DMG	34.3330	119.5830	07/01/1941	2354 0.0	0.0	4.50	0.089	VII	9.2(14.7)
DMG	34.3330	119.8330	06/26/1933	62752.0	0.0	4.30	0.079	VII	9.4(15.2)
DMG	34.3330	119.8330	06/26/1933	62542.0	0.0	4.30	0.079	VII	9.4(15.2)
MGI	34.3000	119.8000	07/03/1925	1638 0.0	0.0	5.30	0.129	VIII	9.9(15.9)
DMG	34.3000	119.8000	06/29/1925	144216.0	0.0	6.25	0.214	VIII	9.9(15.9)
MGI	34.3000	119.8000	07/03/1925	1821 0.0	0.0	5.30	0.129	VIII	9.9(15.9)
DMG	34.2530	119.6980	06/29/1968	191221.3	9.5	4.20	0.065	VI	11.5(18.5)
DMG	34.2500	119.6540	06/29/1968	153242.8	14.6	4.10	0.060	VI	12.1(19.4)
DMG	34.2540	119.6280	07/08/1968	91837.2	15.7	4.00	0.056	VI	12.2(19.7)

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.2550	119.6140	07/31/1968	224445.3	15.0	4.00	0.055	VI	12.5(20.1)
PAS	34.2510	119.6220	03/23/1988	84247.0	16.4	4.00	0.055	VI	12.6(20.2)
DMG	34.5000	119.5000	06/29/1926	2321 0.0	0.0	5.50	0.119	VII	12.9(20.8)
DMG	34.5000	119.5000	08/05/1930	1125 0.0	0.0	5.00	0.091	VII	12.9(20.8)
DMG	34.5000	119.5000	12/05/1920	1158 0.0	0.0	4.50	0.070	VI	12.9(20.8)
DMG	34.3490	119.4920	07/14/1958	52555.3	16.0	4.70	0.077	VII	13.1(21.0)
DMG	34.2670	119.5670	06/29/1968	191357.0	10.0	4.40	0.066	VI	13.1(21.1)
USG	34.4180	119.4680	09/07/1984	11 345.2	9.5	4.00	0.052	VI	13.5(21.7)
DMG	34.2450	119.5880	06/29/1968	203633.6	1.8	4.00	0.051	VI	13.8(22.1)
DMG	34.2120	119.6910	06/26/1968	181111.2	13.9	4.00	0.050	VI	14.3(23.1)
DMG	34.2670	119.5170	04/12/1944	153310.0	0.0	4.00	0.048	VI	15.0(24.2)
GSP	34.3810	119.4350	07/24/2004	125519.9	3.0	4.30	0.055	VI	15.6(25.1)
DMG	34.1920	119.7330	07/05/1968	036 6.4	15.6	4.00	0.047	VI	15.8(25.4)
DMG	34.2000	119.8000	12/21/1812	19 0 0.0	0.0	7.00	0.223	IX	16.1(25.9)
DMG	34.2500	119.5000	04/21/1917	659 0.0	0.0	4.00	0.045	VI	16.5(26.6)
DMG	34.2500	119.5000	04/13/1917	359 0.0	0.0	4.50	0.059	VI	16.5(26.6)
DMG	34.1830	119.6460	06/29/1968	63320.9	8.4	4.00	0.045	VI	16.7(26.8)
DMG	34.1760	119.7540	07/07/1968	143330.8	12.8	4.50	0.057	VI	17.0(27.4)
GSP	34.3950	120.0220	05/09/2004	085717.3	4.0	4.40	0.052	VI	18.1(29.2)
GSP	34.4810	119.3530	10/23/1996	220929.4	14.0	4.20	0.043	VI	20.5(32.9)
DMG	34.1180	119.7020	07/05/1968	04517.2	5.9	5.20	0.071	VI	20.8(33.5)
PAS	34.6610	119.9730	05/07/1984	193232.8	9.9	4.20	0.039	V	22.6(36.4)
MGI	34.4000	119.3000	08/12/1925	1845 0.0	0.0	4.00	0.035	V	23.1(37.2)
DMG	34.0720	119.7230	07/05/1968	23614.1	4.3	4.00	0.034	V	24.0(38.6)
MGI	34.3000	119.3000	05/15/1927	1120 0.0	0.0	4.00	0.033	V	24.5(39.4)
MGI	34.3000	119.3000	09/28/1926	1749 0.0	0.0	4.00	0.033	V	24.5(39.4)
MGI	34.3000	119.3000	05/01/1904	1830 0.0	0.0	4.60	0.046	VI	24.5(39.4)
DMG	34.1500	119.3500	08/22/1950	224758.0	0.0	4.20	0.034	V	27.5(44.2)
DMG	34.1000	119.4000	05/19/1893	035 0.0	0.0	5.50	0.066	VI	28.1(45.2)
DMG	34.7000	120.1000	07/28/1945	23348.0	0.0	4.20	0.032	V	29.7(47.7)
DMG	34.0000	119.5000	03/19/1905	440 0.0	0.0	4.00	0.028	V	31.2(50.3)
DMG	34.0000	119.5000	02/18/1926	1818 0.0	0.0	5.00	0.047	VI	31.2(50.3)
MGI	34.0000	119.5000	05/03/1926	1353 0.0	0.0	4.30	0.032	V	31.2(50.3)
MGI	34.2000	119.2000	06/16/1914	1052 0.0	0.0	4.60	0.037	V	32.5(52.3)
DMG	33.9860	119.4750	08/06/1973	232917.0	16.9	5.00	0.045	VI	32.7(52.6)
PAS	34.7360	120.1470	11/06/1986	91958.3	0.0	4.00	0.026	V	33.3(53.6)

EQSEARCH CPLAZZ. OUT											
PAS	34.7370	120.1480	10/25/1984	1036 2.4	6.0	4.50	0.034	V	33.4(	53.7)
DMG	34.5000	119.1170	11/17/1954	23 351.0	0.0	4.40	0.032	V	33.9(	54.6)
DMG	34.0000	120.0170	04/01/1945	234342.0	0.0	5.40	0.054	VI	34.0(	54.7)
DMG	34.1180	119.2200	03/18/1957	185628.0	13.8	4.70	0.037	V	34.6(	55.7)
DMG	33.9170	119.5000	08/26/1954	1348 3.0	0.0	4.80	0.037	V	36.6(	58.9)
DMG	34.5830	120.3330	12/17/1934	1110 0.0	0.0	4.50	0.031	V	37.5(	60.3)
DMG	34.5830	120.3330	12/18/1934	3 9 0.0	0.0	4.00	0.024	V	37.5(	60.3)
DMG	34.6170	119.0830	02/26/1950	0 622.0	0.0	4.70	0.035	V	37.9(	61.0)
PAS	34.3780	119.0350	04/03/1985	4 449.8	27.9	4.00	0.024	IV	38.3(	61.6)
DMG	34.7000	120.3000	01/12/1915	431 0.0	0.0	5.50	0.052	VI	39.0(	62.7)
DMG	34.7000	120.3000	07/31/1902	920 0.0	0.0	5.50	0.052	VI	39.0(	62.7)
DMG	34.8410	119.2400	01/11/1958	23 847.4	10.8	4.00	0.023	IV	39.3(	63.2)
DMG	34.4830	118.9830	09/04/1942	63433.0	0.0	4.50	0.029	V	41.3(	66.5)
DMG	34.4830	118.9830	09/03/1942	14 6 1.0	0.0	4.50	0.029	V	41.3(	66.5)
MGI	34.6000	120.4000	08/01/1902	330 0.0	0.0	6.30	0.075	VII	41.5(	66.7)
MGI	34.6000	120.4000	07/28/1902	657 0.0	0.0	6.30	0.075	VII	41.5(	66.7)
PAS	34.5410	118.9890	06/12/1984	02752.4	11.7	4.10	0.023	IV	41.6(66.9)	

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
MGI	34.8000	120.3000	09/11/1902	7 0 0.0	0.0	4.00	0.022	IV	42.8(68.9)
MGI	34.8000	120.3000	09/11/1902	530 0.0	0.0	4.00	0.022	IV	42.8(68.9)
DMG	34.8000	119.1000	09/05/1883	1230 0.0	0.0	6.00	0.062	VI	43.3(69.6)
DMG	34.4450	120.4670	09/09/1936	45457.9	10.0	4.00	0.022	IV	43.4(69.9)
DMG	34.6830	119.0000	04/06/1943	223624.0	0.0	4.00	0.021	IV	44.0(70.8)
DMG	34.7000	119.0000	10/23/1916	254 0.0	0.0	5.50	0.047	VI	44.5(71.6)
T-A	34.4200	118.9200	03/29/1917	8 6 0.0	0.0	4.30	0.025	V	44.7(71.9)
DMG	34.0650	119.0350	02/21/1973	144557.3	8.0	5.90	0.057	VI	45.4(73.0)
DMG	34.7170	120.4170	11/30/1944	185315.0	0.0	4.10	0.022	IV	45.4(73.1)
DMG	34.5000	120.5000	08/27/1949	145146.0	0.0	4.90	0.033	V	45.6(73.4)
DMG	34.5000	120.5000	08/26/1949	165232.0	0.0	4.20	0.023	IV	45.6(73.4)
DMG	34.4560	120.5210	10/01/1959	43535.0	14.2	4.50	0.027	V	46.5(74.9)
DMG	34.4610	120.5210	11/18/1936	18 218.5	10.0	4.50	0.027	V	46.6(74.9)
DMG	34.7170	118.9670	06/11/1935	1810 0.0	0.0	4.00	0.020	IV	46.7(75.2)
PAS	33.9060	119.1660	05/23/1978	91650.8	6.0	4.00	0.020	IV	46.9(75.6)
DMG	33.9900	119.0580	05/29/1955	164335.4	17.4	4.10	0.021	IV	47.4(76.2)
MGI	34.8000	120.4000	12/12/1902	0 0 0.0	0.0	5.70	0.049	VI	47.4(76.3)
DMG	34.6000	118.9000	05/18/1940	91512.0	0.0	4.00	0.020	IV	47.5(76.4)
DMG	34.6670	120.5000	06/13/1944	82732.0	0.0	4.60	0.027	V	48.3(77.8)
DMG	34.6670	120.5000	06/13/1944	11 724.0	0.0	4.40	0.024	V	48.3(77.8)
DMG	34.6670	120.5000	06/13/1944	84643.0	0.0	4.00	0.020	IV	48.3(77.8)
DMG	34.8430	119.0260	03/07/1939	195331.8	10.0	4.00	0.020	IV	48.4(77.9)
DMG	34.9220	119.1030	01/09/1963	6 4 3.8	8.7	4.00	0.020	IV	48.7(78.4)
PAS	34.8680	120.3760	09/23/1982	204250.9	3.0	4.00	0.020	IV	49.1(79.0)
MGI	34.0000	120.4000	03/29/1911	425 0.0	0.0	4.60	0.027	V	49.1(79.1)
PAS	34.0540	118.9640	04/13/1982	11 212.2	16.6	4.00	0.020	IV	49.2(79.2)
PAS	34.0160	118.9880	10/26/1984	172043.5	13.3	4.60	0.027	V	49.5(79.7)
MGI	34.0000	119.0000	12/14/1912	0 0 0.0	0.0	5.70	0.048	VI	49.6(79.8)
DMG	34.0000	119.0000	09/24/1827	4 0 0.0	0.0	7.00	0.094	VII	49.6(79.8)
DMG	34.4170	118.8330	06/01/1946	11 631.0	0.0	4.10	0.020	IV	49.7(79.9)
DMG	34.8830	119.0330	08/20/1952	84747.0	0.0	4.20	0.021	IV	49.8(80.1)

EQSEARCH CPLAZZ2.OUT										
DMG	34.8670	119.0170	07/21/1952	2153	9.0	0.0	4.30	0.023	IV	49.8(80.2)
DMG	34.8350	118.9880	11/29/1936	55445	3.	10.0	4.00	0.019	IV	49.8(80.2)
DMG	34.9000	119.0500	07/22/1952	143018	0.	0.0	4.30	0.023	IV	49.8(80.2)
DMG	34.0170	118.9670	04/16/1948	222624	0.	0.0	4.70	0.028	V	50.5(81.2)
DMG	34.9030	119.0380	05/08/1939	248	5.3	10.0	4.50	0.025	V	50.5(81.2)
PAS	35.0120	119.1790	11/10/1981	2237	5.0	9.4	4.20	0.021	IV	50.6(81.5)
DMG	34.9330	119.0670	02/10/1954	235838	0.	0.0	4.50	0.025	V	50.7(81.6)
DMG	35.0500	119.2330	08/19/1952	191226	0.	0.0	4.50	0.025	V	51.1(82.2)
DMG	34.8850	119.0020	02/23/1939	91846	7.	10.0	4.50	0.025	V	51.2(82.5)
PDP	35.0270	119.1780	04/16/2005	191813	0.	10.0	5.20	0.035	V	51.5(82.9)
MGI	34.9000	120.4000	03/29/1928	625	0.0	0.0	5.30	0.037	V	51.6(83.0)
PDP	35.0310	119.1800	05/06/2005	022909	5.	11.0	4.10	0.020	IV	51.7(83.1)
GSP	34.0490	118.9150	02/19/1995	212418	1.	15.0	4.30	0.022	IV	51.8(83.4)
GSP	34.9180	119.0200	12/24/2000	010421	9.	14.0	4.40	0.023	IV	51.9(83.6)
DMG	33.8500	120.3000	08/27/1949	155428	0.	0.0	4.00	0.019	IV	52.0(83.7)
DMG	34.7840	118.9020	07/27/1972	03117	4.	8.0	4.40	0.023	IV	52.1(83.8)
PAS	35.0180	119.1410	11/10/1981	223435	5.	3.1	4.50	0.024	V	52.3(84.1)
DMG	34.3700	120.6230	11/22/1937	41253	8.	10.0	4.50	0.024	V	52.4(84.4)
DMG	34.6670	118.8330	01/24/1950	215659	0.	0.0	4.00	0.019	IV	52.4(84.4)
PAS	35.0000	119.1030	05/13/1975	02135	6.	19.1	4.50	0.024	V	52.7(84.7)
DMG	34.8570	120.4700	06/21/1966	94625	9.	2.1	4.10	0.019	IV	52.9(85.2)
DMG	35.0830	119.2330	03/03/1956	62412	0.	0.0	4.20	0.020	IV	53.1(85.4)

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]	
DMG	35.0500	119.1670	12/14/1950	135623	0.0	4.40	0.023	IV	53.2(85.5)	
DMG	33.6670	119.5000	11/30/1939	64251	0.0	4.00	0.018	IV	53.3(85.7)	
PAS	35.0350	119.1370	06/16/1978	42131	6.	1.8	4.30	0.021	IV	53.3(85.8)
DMG	35.0000	119.0830	11/07/1952	85535	0.0	4.60	0.025	V	53.4(85.9)	
DMG	34.9500	119.0170	11/11/1952	181225	0.0	4.10	0.019	IV	53.5(86.2)	
DMG	34.8670	118.9330	09/21/1941	1953	7.2	0.0	5.20	0.034	V	53.6(86.3)
DMG	34.9110	118.9730	02/23/1939	84551	7.	10.0	4.50	0.024	IV	53.6(86.3)
GSB	35.0380	119.1300	02/14/2004	124311	4.	12.0	4.60	0.025	V	53.7(86.5)
DMG	34.9000	118.9500	08/01/1952	13 430	0.0	5.10	0.032	V	54.2(87.2)	
DMG	35.0500	119.1330	05/23/1953	75255	0.0	4.20	0.020	IV	54.3(87.4)	
DMG	35.0500	119.1330	08/06/1953	1120	4.0	0.0	4.40	0.022	IV	54.3(87.4)
DMG	34.9410	118.9870	11/15/1961	53855	5.	10.7	5.00	0.031	V	54.4(87.5)
DMG	34.9320	118.9760	03/01/1963	02557	9.	13.9	5.00	0.031	V	54.4(87.6)
DMG	34.9830	119.0330	07/21/1952	235328	0.	0.0	4.50	0.023	IV	54.5(87.7)
DMG	35.0330	119.1000	01/13/1954	14531	0.0	4.40	0.022	IV	54.5(87.7)	
DMG	35.0330	119.1000	02/07/1954	0 953	0.0	4.40	0.022	IV	54.5(87.7)	
DMG	35.0330	119.1000	09/02/1953	152756	0.	0.0	4.00	0.018	IV	54.5(87.7)
DMG	35.0330	119.1000	01/12/1954	234037	0.	0.0	4.10	0.019	IV	54.5(87.7)
DMG	34.9280	118.9700	01/15/1955	1 3 6.7	9.1	4.30	0.021	IV	54.5(87.7)	
DMG	35.0000	119.0500	09/12/1952	103525	0.0	4.50	0.023	IV	54.7(88.0)	
DMG	34.9670	119.0000	09/02/1952	204556	0.	0.0	4.70	0.026	V	55.0(88.6)
MGI	35.2000	119.5000	12/01/1920	130	0.0	0.0	4.60	0.025	V	55.1(88.7)
DMG	35.2000	119.5000	06/09/1928	822	0.0	0.0	4.00	0.018	IV	55.1(88.7)
DMG	35.0000	119.0330	07/21/1952	1157	0.0	0.0	4.50	0.023	IV	55.3(89.0)
DMG	35.0000	119.0330	07/21/1952	1154	0.0	0.0	4.50	0.023	IV	55.3(89.0)
DMG	35.0000	119.0330	07/21/1952	12 2	0.0	0.0	5.60	0.041	V	55.3(89.0)

EQSEARCH CPLAZZ. OUT												
DMG	35.0000	119.0330	07/21/1952	1155	0.0	0.0	4.50	0.023	IV	55.3(	89.0)
DMG	35.0000	119.0330	07/21/1952	1159	0.0	0.0	4.50	0.023	IV	55.3(	89.0)
DMG	35.0000	119.0330	07/21/1952	1158	0.0	0.0	4.60	0.024	V	55.3(	89.0)
DMG	34.9450	118.9680	03/04/1963	201042	3	8.5	4.00	0.018	IV	55.4(	89.1)
DMG	35.0170	119.0500	08/05/1953	122059	0.0	0.0	4.30	0.021	IV	55.5(	89.3)
GSP	34.3040	118.7370	01/19/1994	091310	9	13.0	4.10	0.019	IV	55.7(	89.7)
PDP	33.6570	120.0330	04/21/2005	063619	0.0	6.0	4.00	0.018	IV	55.9(	89.9)
DMG	35.0000	119.0170	07/21/1952	115214	0.0	0.0	7.70	0.124	VII	55.9(	90.0)
DMG	35.0000	119.0170	05/25/1953	324	1.0	0.0	4.80	0.027	V	55.9(	90.0)
DMG	35.0000	119.0170	01/12/1954	233349	0.0	0.0	5.90	0.048	VI	55.9(	90.0)
DMG	34.2320	120.6620	11/01/1936	151047	6	10.0	4.00	0.018	IV	56.1(	90.3)
DMG	34.1000	118.8000	05/10/1911	1340	0.0	0.0	4.00	0.018	IV	56.1(	90.3)
GSP	33.6660	119.3300	03/16/2002	213323	8	7.0	4.60	0.024	V	56.3(	90.5)
DMG	35.0330	119.0500	08/07/1952	163151	0.0	0.0	4.90	0.028	V	56.3(	90.7)
DMG	35.0330	119.0500	08/18/1952	44010	0.0	0.0	4.70	0.025	V	56.3(	90.7)
DMG	35.0330	119.0500	07/27/1952	71611	0.0	0.0	4.10	0.019	IV	56.3(	90.7)
DMG	34.9500	118.9500	10/16/1952	1222	7.0	0.0	4.30	0.021	IV	56.4(	90.7)
T-A	34.9200	118.9200	01/20/1857	0	0	0.0	0.0	5.00	0.030	V	56.4(90.7)
T-A	34.9200	118.9200	05/23/1857	0	0	0.0	0.0	5.00	0.030	V	56.4(90.7)
T-A	34.9200	118.9200	08/29/1857	0	0	0.0	0.0	4.30	0.021	IV	56.4(90.7)
DMG	34.9000	118.9000	10/23/1916	244	0.0	0.0	6.00	0.050	VI	56.5(	90.9)
DMG	34.9830	118.9830	05/23/1954	235243	0	0.0	5.10	0.031	V	56.5(	90.9)
GSG	34.3040	118.7220	01/17/1994	221922	3	10.0	4.00	0.018	IV	56.6(	91.0)
DMG	35.0000	119.0000	07/21/1952	1536	0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	12	6	0.0	0.0	4.80	0.027	V	56.6(91.1)
DMG	35.0000	119.0000	07/21/1952	1442	0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	12	7	0.0	0.0	4.70	0.025	V	56.6(91.1)

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]			
DMG	35.0000	119.0000	07/21/1952	1417	0.0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1553	0.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	13	8	0.0	0.0	4.50	0.023	IV	56.6(91.1)
DMG	35.0000	119.0000	07/21/1952	1210	0.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1359	0.0	0.0	4.60	0.024	V	56.6(	91.1)
DMG	35.0000	119.0000	02/16/1919	1557	0.0	0.0	5.00	0.030	V	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1313	0.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1311	0.0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1542	0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	01/25/1919	2229	0.0	0.0	4.00	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	08/10/1952	194424	0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/22/1952	191024	0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1617	0.0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1259	0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	12	531	0	0.0	6.40	0.062	VI	56.6(91.1)
DMG	35.0000	119.0000	07/21/1952	1415	0.0	0.0	4.40	0.022	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1317	0.0	0.0	4.00	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1239	0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1240	0.0	0.0	4.90	0.028	V	56.6(	91.1)
DMG	35.0000	119.0000	07/22/1952	82122	0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/23/1952	043	8.0	0.0	4.40	0.022	IV	56.6(	91.1)

EQSEARCH CPLAZ2.OUT										
DMG	35.0000	119.0000	07/22/1952	175236.0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/25/1952	0 3 0.0	0.0	4.00	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1212 0.0	0.0	4.60	0.024	V	56.6(	91.1)
DMG	35.0000	119.0000	03/13/1929	228 0.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	132512.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/22/1952	133143.0	0.0	4.80	0.027	V	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1225 0.0	0.0	4.70	0.025	V	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1222 0.0	0.0	4.90	0.028	V	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	14 6 0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	18 0 0.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1638 0.0	0.0	4.50	0.023	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1451 0.0	0.0	4.20	0.019	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1336 0.0	0.0	4.10	0.018	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1218 0.0	0.0	4.40	0.022	IV	56.6(	91.1)
DMG	35.0000	119.0000	07/21/1952	1228 0.0	0.0	4.20	0.019	IV	56.6(	91.1)
GSB	34.3790	118.7110	01/19/1994	210928.6	14.0	5.50	0.039	V	56.7(	91.2)
DMG	34.8670	118.8670	07/22/1952	74455.0	0.0	4.10	0.018	IV	56.7(	91.3)
GSP	34.3650	118.7080	01/19/1994	044314.5	12.0	4.10	0.018	IV	56.9(	91.6)
DMG	34.9670	118.9500	07/30/1952	11 255.0	0.0	4.10	0.018	IV	57.1(	91.9)
DMG	34.9670	118.9500	11/27/1952	153641.0	0.0	4.00	0.017	IV	57.1(	91.9)
GSP	34.3540	118.7040	05/01/1996	194956.4	14.0	4.10	0.018	IV	57.2(	92.0)
GSP	34.3770	118.6980	01/18/1994	004308.9	11.0	5.20	0.033	V	57.4(	92.4)
DMG	34.8330	120.5830	10/16/1936	1530 0.0	0.0	4.00	0.017	IV	57.5(	92.5)
DMG	35.0670	119.0670	02/24/1954	223022.0	0.0	4.50	0.023	IV	57.5(	92.6)
GSP	34.3260	118.6980	01/17/1994	233330.7	9.0	5.60	0.040	V	57.7(	92.9)
MGI	34.6000	120.7000	12/31/1927	1010 0.0	0.0	4.00	0.017	IV	58.0(	93.3)
MGI	34.6000	120.7000	12/05/1927	1145 0.0	0.0	4.30	0.020	IV	58.0(	93.3)
DMG	35.0660	119.0490	01/24/1974	5 2 0.8	6.4	4.30	0.020	IV	58.1(	93.5)
DMG	35.0170	118.9830	08/17/1952	9 9 7.0	0.0	4.10	0.018	IV	58.1(	93.6)
DMG	35.0330	119.0000	07/22/1952	101939.0	0.0	4.10	0.018	IV	58.3(	93.7)
DMG	35.0450	119.0040	03/23/1956	212327.1	12.1	4.30	0.020	IV	58.7(	94.5)
DMG	35.0670	119.0330	07/27/1952	113438.0	0.0	4.10	0.018	IV	58.7(94.5)

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.0670	119.0330	07/23/1952	175329.0	0.0	4.10	0.018	IV	58.7(94.5)
DMG	35.1000	119.0830	07/24/1946	019 8.0	0.0	4.00	0.017	IV	58.7(94.5)
DMG	35.1000	119.0830	12/06/1934	743 0.0	0.0	4.00	0.017	IV	58.7(94.5)
PAS	35.0460	119.0010	06/05/1975	144645.3	9.0	4.10	0.018	IV	58.9(94.7)
GSP	34.3690	118.6720	04/26/1997	103730.7	16.0	5.10	0.030	V	58.9(94.9)
GSP	34.3940	118.6690	06/26/1995	084028.9	13.0	5.00	0.029	V	59.0(95.0)
GSB	34.3430	118.6660	01/17/1994	234925.4	8.0	4.30	0.020	IV	59.4(95.6)
GSP	34.3610	118.6570	01/29/2002	055328.9	14.0	4.20	0.019	IV	59.8(96.3)
PAS	34.3470	118.6560	04/08/1976	152138.1	14.5	4.60	0.023	IV	60.0(96.5)
DMG	34.9830	118.9000	07/24/1952	95032.0	0.0	4.30	0.020	IV	60.0(96.6)
DMG	34.9830	118.9000	03/23/1953	17 637.0	0.0	4.00	0.017	IV	60.0(96.6)
DMG	34.9500	118.8670	07/21/1952	121936.0	0.0	5.30	0.033	V	60.0(96.6)
GSP	34.3770	118.6490	04/27/1997	110928.4	15.0	4.80	0.025	V	60.2(96.9)
MGI	35.0000	120.5000	07/26/1917	831 0.0	0.0	4.00	0.017	IV	60.4(97.1)
MGI	35.0000	120.5000	11/19/1927	332 0.0	0.0	5.00	0.028	V	60.4(97.1)
DMG	35.0670	118.9830	08/04/1952	194750.0	0.0	4.00	0.017	IV	60.6(97.6)

EQSEARCH CPLAZ2.OUT											
DMG	35.1830	119.1740	06/04/1956	83319.3	14.3	4.00	0.017	IV	60.7(	97.7)
GSP	35.1490	119.1040	05/28/1993	044740.6	21.0	5.20	0.031	V	60.8(	97.9)
DMG	34.5290	118.6440	02/07/1956	21656.5	16.0	4.20	0.018	IV	60.8(	97.9)
DMG	35.0330	118.9330	07/22/1952	223133.0	0.0	4.70	0.024	V	60.9(	98.0)
GSP	34.3680	118.6370	01/17/1994	194353.4	13.0	4.10	0.017	IV	60.9(	98.1)
DMG	35.3000	119.8000	01/09/1857	16 0 0.0	0.0	7.90	0.129	VIII	61.0(	98.2)
DMG	35.0500	118.9500	11/14/1952	2334 1.4	0.0	4.00	0.017	IV	61.1(	98.3)
DMG	35.0500	118.9500	08/17/1952	614 4.0	0.0	4.00	0.017	IV	61.1(	98.3)
DMG	34.3440	118.6360	02/09/1971	143436.1	-2.0	4.90	0.027	V	61.1(	98.4)
PAS	35.2700	119.4020	09/26/1980	131841.1	5.0	4.10	0.017	IV	61.2(	98.4)
T-A	34.8300	118.7500	11/27/1852	0 0 0.0	0.0	7.00	0.080	VII	61.2(	98.5)
GSP	34.3590	118.6290	01/24/1994	055024.3	12.0	4.30	0.019	IV	61.4(	98.9)
GSP	34.3630	118.6270	01/24/1994	055421.1	10.0	4.20	0.018	IV	61.5(	99.0)
DMG	35.0330	118.9170	07/23/1952	211658.0	0.0	4.10	0.017	IV	61.6(	99.1)
DMG	34.3800	118.6230	10/29/1936	223536.1	10.0	4.00	0.016	IV	61.7(	99.3)
DMG	35.1000	119.0000	07/22/1952	14 511.0	0.0	4.30	0.019	IV	61.7(	99.3)
DMG	35.1000	119.0000	07/24/1952	311 7.0	0.0	4.10	0.017	IV	61.7(	99.3)
GSP	34.3740	118.6220	01/17/1994	155410.8	12.0	4.80	0.025	V	61.8(	99.4)
GSB	34.3580	118.6220	01/18/1994	040126.8	1.0	4.50	0.021	IV	61.8(	99.5)
PAS	33.6710	119.1110	09/04/1981	155050.3	5.0	5.30	0.032	V	61.8(	99.5)
GSB	34.3330	118.6230	01/18/1994	072356.0	14.0	4.30	0.019	IV	61.9(	99.7)
GSP	34.3780	118.6180	01/19/1994	211144.9	11.0	5.10	0.029	V	62.0(	99.7)
DMG	34.5500	120.7830	09/29/1938	1212 0.0	0.0	4.00	0.016	IV	62.0(	99.8)
DMG	34.5500	120.7830	06/16/1940	925 4.0	0.0	4.00	0.016	IV	62.0(	99.8)
DMG	34.5500	120.7830	10/17/1939	204243.0	0.0	4.00	0.016	IV	62.0(	99.8)
DMG	34.5500	120.7830	03/19/1935	359 0.0	0.0	4.00	0.016	IV	62.0(	99.8)
GSP	34.3620	118.6150	03/20/1996	073759.8	13.0	4.10	0.017	IV	62.2(100.1)		
GSB	34.2850	118.6240	01/17/1994	135602.4	19.0	4.70	0.024	IV	62.3(100.3)		
GSP	34.3970	118.6090	07/22/1999	095724.0	11.0	4.00	0.016	IV	62.4(100.5)		
DMG	35.0670	118.9330	07/23/1952	223220.0	0.0	4.10	0.017	IV	62.6(100.7)		
DMG	34.5000	120.8000	12/24/1937	1157 0.0	0.0	4.00	0.016	IV	62.6(100.7)		
DMG	35.1500	119.0500	11/11/1952	1722 8.0	0.0	4.20	0.018	IV	62.6(100.8)		
DMG	35.1000	118.9670	08/25/1952	62026.0	0.0	4.70	0.023	IV	62.9(101.3)		
DMG	35.1840	119.0990	07/01/1959	234923.4	9.0	4.70	0.023	IV	63.0(101.3)		
DMG	35.0500	118.9000	09/25/1952	162136.0	0.0	4.10	0.017	IV	63.1(101.5)		
GSP	34.2780	118.6110	01/29/1994	121656.4	2.0	4.30	0.019	IV	63.1(101.6)		
DMG	34.5860	118.6130	02/07/1956	31638.6	2.6	4.60	0.022	IV	63.2(101.7)		

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.3000	118.6000	04/04/1893	1940 0.0	0.0	6.00	0.046	VI	63.5(102.2)
DMG	35.0000	118.8330	07/23/1952	75319.0	0.0	5.40	0.033	V	63.7(102.5)
DMG	35.0000	118.8330	07/23/1952	181351.0	0.0	5.20	0.030	V	63.7(102.5)
DMG	35.0000	118.8330	12/01/1952	52610.0	0.0	4.40	0.020	IV	63.7(102.5)
PAS	35.2970	119.3460	05/06/1985	231433.0	24.4	4.40	0.020	IV	63.9(102.8)
DMG	34.8830	120.6830	02/01/1962	63757.0	0.0	4.50	0.021	IV	64.1(103.2)
GSP	34.2180	118.6070	01/18/1994	113509.9	12.0	4.20	0.018	IV	64.1(103.2)
PAS	33.5350	120.0490	01/12/1983	1719 0.6	5.0	4.20	0.018	IV	64.2(103.3)
DMG	35.0330	118.8500	10/07/1953	145921.0	0.0	4.90	0.025	V	64.4(103.6)
DMG	35.0670	118.8830	08/14/1952	114146.0	0.0	4.20	0.018	IV	64.6(103.9)
DMG	35.0670	118.8830	08/17/1952	21 442.0	0.0	4.30	0.019	IV	64.6(103.9)

					EQSEARCH	CPLAZZ2.OUT					
GSP	34.3050	118.5790	01/29/1994	112036.0	1.0	5.10	0.028	V	64.6(104.0)		
GSB	34.3600	118.5710	01/19/1994	044048.0	2.0	4.50	0.021	IV	64.7(104.2)		
DMG	33.5830	119.1830	02/10/1952	135055.0	0.0	4.00	0.016	IV	65.0(104.6)		
GSP	34.3790	118.5630	01/18/1994	003935.0	7.0	4.40	0.019	IV	65.1(104.8)		
DMG	34.2650	118.5770	04/15/1971	111432.0	4.2	4.20	0.017	IV	65.2(104.9)		
GSP	34.2690	118.5760	01/17/1994	125546.8	16.0	4.10	0.017	IV	65.2(104.9)		
GSP	34.3790	118.5610	01/18/1994	152346.9	7.0	4.80	0.024	V	65.2(105.0)		
GSG	34.4080	118.5590	01/17/1994	200205.4	0.0	4.00	0.016	IV	65.3(105.0)		
GSP	34.5000	118.5600	07/05/1991	174157.1	11.0	4.10	0.017	IV	65.4(105.3)		
GSB	34.3010	118.5650	01/17/1994	204602.4	9.0	5.20	0.029	V	65.5(105.4)		
PAS	34.9430	118.7430	06/10/1988	23 643.0	6.8	5.40	0.033	V	65.5(105.4)		
DMG	34.9000	120.7000	11/04/1927	135053.0	0.0	7.50	0.099	VII	65.5(105.5)		
PAS	33.6370	119.0560	10/23/1981	191552.5	6.3	4.60	0.021	IV	65.5(105.5)		
GSB	34.3190	118.5580	01/18/1994	132444.1	1.0	4.50	0.020	IV	65.7(105.8)		
DMG	33.9550	120.7100	12/03/1937	152812.8	10.0	4.00	0.016	IV	65.8(105.8)		
GSP	34.2740	118.5630	01/27/1994	171958.8	14.0	4.60	0.021	IV	65.9(106.0)		
GSP	34.2280	118.5730	01/17/1994	175608.2	19.0	4.60	0.021	IV	65.9(106.0)		
GSB	34.3450	118.5520	01/24/1994	041518.8	6.0	4.80	0.024	IV	65.9(106.0)		
DMG	33.6040	119.1050	03/25/1956	332 2.3	8.2	4.20	0.017	IV	65.9(106.1)		
PAS	33.9440	118.6810	01/01/1979	231438.9	11.3	5.00	0.026	V	67.1(107.9)		
GSP	34.2540	118.5450	01/17/1994	130627.9	0.0	4.60	0.021	IV	67.1(108.0)		
PAS	33.6300	119.0200	10/23/1981	172816.9	12.0	4.60	0.021	IV	67.1(108.0)		
DMG	34.3650	120.8880	06/12/1969	111854.9	10.0	4.00	0.015	IV	67.5(108.6)		
DMG	34.4850	118.5210	07/16/1965	74622.4	15.1	4.00	0.015	IV	67.5(108.7)		
DMG	34.8490	120.7740	02/16/1937	174048.5	10.0	4.00	0.015	IV	67.6(108.8)		
DMG	34.2730	118.5320	06/21/1971	16 1 8.5	4.1	4.00	0.015	IV	67.6(108.8)		
GSP	34.2610	118.5340	01/17/1994	123939.8	14.0	4.50	0.020	IV	67.6(108.8)		
DMG	34.2840	118.5280	04/02/1971	54025.0	3.0	4.00	0.015	IV	67.7(109.0)		
PAS	33.9330	118.6690	10/17/1979	205237.3	5.5	4.20	0.017	IV	68.0(109.5)		
GSP	34.2130	118.5370	01/17/1994	123055.4	18.0	6.70	0.063	VI	68.1(109.6)		
DMG	35.3330	119.2500	01/20/1941	135816.0	0.0	4.00	0.015	IV	68.1(109.6)		
DMG	35.0000	118.7330	04/29/1953	124745.0	0.0	4.70	0.022	IV	68.2(109.7)		
DMG	35.0000	118.7330	08/23/1952	6 3 3.0	0.0	4.30	0.018	IV	68.2(109.7)		
DMG	34.2860	118.5150	03/31/1971	145222.5	2.1	4.60	0.021	IV	68.4(110.1)		
GSP	34.3740	118.4950	01/28/1994	200953.4	0.0	4.20	0.017	IV	69.0(111.0)		
DMG	33.9500	118.6320	08/31/1930	04036.0	0.0	5.20	0.028	V	69.3(111.5)		
DMG	35.0670	118.7670	07/22/1952	21 211.0	0.0	4.20	0.017	IV	69.5(111.8)		
DMG	34.3610	118.4870	02/10/1971	143526.7	4.4	4.20	0.017	IV	69.5(111.8)		
GSP	34.2150	118.5100	01/19/1994	140914.8	17.0	4.50	0.019	IV	69.6(112.0)		
GSG	34.3340	118.4840	01/17/1994	223152.1	10.0	4.20	0.017	IV	69.8(112.3)		
GSP	34.3570	118.4800	02/25/1994	125912.6	1.0	4.10	0.016	IV	69.9(112.5)		
DMG	34.3990	118.4730	03/09/1974	05431.9	24.4	4.70	0.021	IV	70.2(112.9)		

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.3560	118.4740	03/25/1971	2254 9.9	4.6	4.20	0.016	IV	70.3(113.1)
GSB	34.3100	118.4740	01/21/1994	184228.8	7.0	4.20	0.016	IV	70.6(113.5)
GSP	34.2910	118.4760	02/06/1994	131926.9	11.0	4.10	0.016	IV	70.6(113.6)
PAS	33.9190	118.6270	01/19/1989	65328.8	11.9	5.00	0.025	V	70.6(113.6)
GSP	34.3040	118.4730	01/17/1994	150703.2	2.0	4.20	0.016	IV	70.7(113.7)
GSP	34.2910	120.9380	01/09/1989	230112.1	5.0	4.10	0.016	IV	70.8(114.0)

				EQSEARCH	CPLAZZ. OUT					
DMG	35.0830	118.7500	07/26/1952	15 831.0	0.0 4.40	0.018	IV	70.9(114.2)		
DMG	35.0830	118.7500	07/26/1952	18 244.0	0.0 4.00	0.015	IV	70.9(114.2)		
DMG	35.0830	118.7500	07/22/1952	84734.0	0.0 4.70	0.021	IV	70.9(114.2)		
PAS	34.3800	118.4590	08/12/1977	21926.1	9.5 4.50	0.019	IV	71.0(114.3)		
PAS	34.9180	120.8000	06/20/1984	1928 6.3	6.0 4.20	0.016	IV	71.1(114.4)		
GSB	34.3000	118.4660	01/21/1994	183915.3	10.0 4.70	0.021	IV	71.1(114.4)		
GSP	34.2920	118.4660	01/19/1994	144635.2	6.0 4.00	0.015	IV	71.2(114.5)		
GSP	34.2870	118.4660	01/19/1994	071406.2	11.0 4.00	0.015	IV	71.2(114.6)		
DMG	34.2960	118.4640	03/30/1971	85443.3	2.6 4.10	0.015	IV	71.2(114.6)		
DMG	34.3840	118.4550	02/10/1971	113134.6	6.0 4.20	0.016	IV	71.2(114.6)		
DMG	34.3530	118.4560	03/07/1971	13340.5	3.3 4.50	0.019	IV	71.3(114.7)		
GSP	34.2310	118.4750	03/20/1994	212012.3	13.0 5.30	0.029	V	71.3(114.8)		
GSP	34.2450	118.4710	01/18/1994	155144.9	12.0 4.00	0.015	IV	71.4(114.8)		
GSP	34.3110	118.4560	01/17/1994	193534.3	2.0 4.00	0.015	IV	71.6(115.2)		
GSP	34.2970	118.4580	01/21/1994	185344.6	7.0 4.30	0.017	IV	71.6(115.2)		
GSP	34.3170	118.4550	01/17/1994	132644.7	2.0 4.70	0.021	IV	71.6(115.2)		
DMG	34.3080	118.4540	02/09/1971	144346.7	6.2 5.20	0.027	V	71.7(115.4)		
GSP	34.3010	118.4520	01/21/1994	185244.2	7.0 4.30	0.017	IV	71.9(115.7)		
DMG	34.3970	118.4390	02/21/1971	55052.6	6.9 4.70	0.021	IV	72.1(116.1)		
GSP	34.3310	118.4420	01/17/1994	141430.3	1.0 4.50	0.019	IV	72.2(116.2)		
DMG	34.4460	118.4360	02/10/1971	185441.7	8.1 4.20	0.016	IV	72.3(116.3)		
PAS	34.9310	120.8190	05/29/1980	33847.0	5.0 4.70	0.021	IV	72.5(116.6)		
DMG	35.1330	118.7670	07/25/1952	143442.0	0.0 4.40	0.018	IV	72.5(116.7)		
DMG	35.1330	118.7670	07/21/1952	194122.0	0.0 5.50	0.032	V	72.5(116.7)		
DMG	33.4000	119.4000	07/24/1947	1654 2.0	0.0 4.30	0.017	IV	72.5(116.7)		
DMG	34.2680	118.4450	08/30/1964	225737.1	15.4 4.00	0.014	IV	72.6(116.8)		
DMG	35.4170	119.3000	06/04/1941	84719.0	0.0 4.00	0.014	IV	72.6(116.8)		
GSP	34.2990	118.4390	02/03/1994	162335.4	8.0 4.20	0.016	IV	72.6(116.9)		
MGI	35.3000	119.0000	09/04/1908	0 0 0.0	0.0 4.60	0.020	IV	72.7(117.0)		
MGI	35.3000	119.0000	01/08/1903	030 0.0	0.0 4.60	0.020	IV	72.7(117.0)		
DMG	34.4570	118.4270	02/09/1971	161926.5	-1.0 4.20	0.016	IV	72.8(117.2)		
DMG	34.3920	118.4270	02/21/1971	71511.7	7.2 4.50	0.019	IV	72.8(117.2)		
MGI	35.2500	120.5000	07/09/1917	2238 0.0	0.0 5.30	0.029	V	72.9(117.4)		
MGI	35.2500	120.5000	07/10/1917	045 0.0	0.0 5.30	0.029	V	72.9(117.4)		
MGI	35.2500	120.5000	07/10/1917	043 0.0	0.0 5.30	0.029	V	72.9(117.4)		
MGI	35.2500	120.5000	07/09/1917	2222 0.0	0.0 5.00	0.024	V	72.9(117.4)		
GSB	34.2990	118.4280	01/23/1994	085508.7	6.0 4.20	0.016	IV	73.2(117.9)		
DMG	34.3990	118.4190	02/10/1971	134953.7	9.7 4.30	0.017	IV	73.3(117.9)		
DMG	34.4260	118.4140	02/10/1971	518 7.2	5.8 4.50	0.019	IV	73.5(118.3)		
DMG	34.4280	118.4130	04/01/1971	15 3 3.6	8.0 4.10	0.015	IV	73.6(118.4)		
PAS	34.4630	118.4090	09/24/1977	212824.3	5.0 4.20	0.016	IV	73.8(118.8)		
DMG	35.2800	120.4800	05/21/1940	10 534.0	0.0 4.00	0.014	IV	73.9(118.9)		
DMG	35.2000	120.6000	10/20/1913	1125 0.0	0.0 4.00	0.014	IV	74.0(119.1)		
DMG	34.3570	118.4060	02/09/1971	141950.2	11.8 4.00	0.014	IV	74.1(119.3)		
DMG	34.4110	118.4010	02/09/1971	14 8 4.0	8.0 4.00	0.014	IV	74.3(119.5)		
DMG	34.4110	118.4010	02/09/1971	14 550.0	8.0 4.10	0.015	IV	74.3(119.5)		
DMG	34.4110	118.4010	02/09/1971	14 150.0	8.0 4.50	0.018	IV	74.3(119.5)		

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.4110	118.4010	02/09/1971	14 434.0	8.0	4.20	0.016	IV	74.3(119.5)

EQSEARCH CPLAZZ.OUT									
DMG	34.4110	118.4010	02/09/1971	14 159.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 444.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 346.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 244.0	8.0	5.80	0.037	V	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 730.0	8.0	4.00	0.014	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 231.0	8.0	4.70	0.021	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 439.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 838.0	8.0	4.50	0.018	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 4 7.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 1 8.0	8.0	5.80	0.037	V	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 446.0	8.0	4.20	0.016	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 710.0	8.0	4.00	0.014	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 853.0	8.0	4.60	0.019	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 230.0	8.0	4.30	0.017	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 745.0	8.0	4.50	0.018	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 8 7.0	8.0	4.20	0.016	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 133.0	8.0	4.20	0.016	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	141028.0	8.0	5.30	0.028	V	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 041.8	8.4	6.40	0.050	VI	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 140.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 541.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 2 3.0	8.0	4.10	0.015	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 154.0	8.0	4.20	0.016	IV	74.3(119.5)
DMG	34.4110	118.4010	02/09/1971	14 325.0	8.0	4.40	0.018	IV	74.3(119.5)
DMG	34.4330	118.3980	02/09/1971	144017.4	-2.0	4.10	0.015	IV	74.4(119.8)
T-A	35.3300	119.0000	01/04/1870	7 0 0.0	0.0	4.30	0.017	IV	74.5(119.8)
DMG	35.2170	118.8170	07/23/1952	1317 5.0	0.0	5.70	0.035	V	74.6(120.0)
DMG	35.2170	118.8170	12/15/1953	124436.0	0.0	4.60	0.019	IV	74.6(120.0)
DMG	34.0000	118.5000	03/06/1918	1820 0.0	0.0	4.00	0.014	IV	74.6(120.1)
MGI	34.0000	118.5000	03/08/1918	1230 0.0	0.0	4.00	0.014	IV	74.6(120.1)
DMG	34.0000	118.5000	08/04/1927	1224 0.0	0.0	5.00	0.024	V	74.6(120.1)
MGI	34.0000	118.5000	11/19/1918	2018 0.0	0.0	5.00	0.024	V	74.6(120.1)
DMG	34.0000	118.5000	11/08/1914	1140 0.0	0.0	4.50	0.018	IV	74.6(120.1)
MGI	34.0000	118.5000	06/23/1920	1220 0.0	0.0	4.00	0.014	IV	74.6(120.1)
DMG	34.0000	118.5000	06/22/1920	248 0.0	0.0	4.90	0.023	IV	74.6(120.1)
GSP	34.2840	118.4040	01/14/2001	022614.1	8.0	4.30	0.017	IV	74.7(120.3)
GSP	34.2890	118.4030	01/14/2001	025053.7	8.0	4.00	0.014	IV	74.7(120.3)
GSP	34.3110	118.3980	06/15/1994	055948.6	7.0	4.20	0.016	IV	74.9(120.5)
GSP	34.3120	118.3930	05/25/1994	125657.1	7.0	4.40	0.017	IV	75.1(120.9)
DMG	35.3170	118.9500	09/01/1952	1039 0.0	0.0	4.10	0.015	IV	75.3(121.2)
DMG	35.1330	118.7000	09/02/1952	124132.0	0.0	4.60	0.019	IV	75.3(121.2)
GSP	34.2930	118.3890	12/06/1994	034834.5	9.0	4.50	0.018	IV	75.5(121.5)
DMG	35.4500	119.2500	01/23/1935	1352 0.0	0.0	4.00	0.014	IV	75.7(121.8)
DMG	34.4310	118.3690	08/14/1974	144555.2	8.2	4.20	0.015	IV	76.1(122.4)
DMG	35.0670	118.6170	07/23/1952	235136.0	0.0	4.00	0.014	IV	76.2(122.6)
DMG	34.3960	118.3660	02/10/1971	173855.1	6.2	4.20	0.015	IV	76.3(122.8)
DMG	34.3870	118.3640	02/09/1971	143917.8	-1.6	4.00	0.014	IV	76.4(123.0)
DMG	35.3500	118.9670	02/04/1954	204841.0	0.0	4.00	0.014	IV	76.6(123.3)
DMG	33.4300	119.0960	10/31/1969	103929.0	7.3	4.80	0.021	IV	76.7(123.4)
DMG	35.1500	118.6830	08/13/1952	173925.0	0.0	4.70	0.020	IV	76.8(123.6)
DMG	35.3330	118.9170	08/07/1952	1919 7.0	0.0	4.20	0.015	IV	77.3(124.3)
DMG	35.3330	118.9170	07/29/1952	195132.0	0.0	4.50	0.018	IV	77.3(124.3)

EARTHQUAKE SEARCH RESULTS

FILE CODE	LAT. NORTH	LONG. WEST	DATE	EQSEARCH		CPLAZ2.OUT		SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
				TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.				
DMG	35.3330	118.9170	08/22/1952	224124.0	0.0	5.80	0.036	V	77.3(124.3)	
DMG	35.3330	118.9170	07/31/1952	195314.0	0.0	4.50	0.018	IV	77.3(124.3)	
DMG	35.1000	118.6170	09/26/1952	202120.0	0.0	4.00	0.014	III	77.6(124.8)	
DMG	33.5000	120.5000	01/14/1941	1653 0.0	0.0	4.00	0.014	III	78.1(125.7)	
DMG	34.4110	118.3290	02/10/1971	5 636.0	4.7	4.30	0.016	IV	78.4(126.1)	
DMG	35.0830	118.5830	08/04/1952	535 0.0	0.0	4.00	0.014	III	78.4(126.2)	
DMG	35.0830	118.5830	07/22/1952	81624.0	0.0	4.40	0.017	IV	78.4(126.2)	
DMG	34.3390	118.3320	02/09/1971	141612.9	11.1	4.10	0.014	IV	78.4(126.2)	
DMG	34.3350	118.3310	02/09/1971	155820.7	14.2	4.80	0.021	IV	78.5(126.3)	
MGI	35.1700	120.7500	12/01/1916	2253 0.0	0.0	5.70	0.033	V	78.7(126.7)	
DMG	35.1500	118.6330	01/27/1954	141948.0	0.0	5.00	0.023	IV	79.0(127.1)	
DMG	34.0000	118.4170	12/07/1938	338 0.0	0.0	4.00	0.014	III	79.0(127.2)	
GSP	34.0590	118.3870	09/09/2001	235918.0	4.0	4.20	0.015	IV	79.2(127.5)	
MGI	35.2500	120.6700	09/05/1922	9 5 0.0	0.0	4.00	0.013	III	79.2(127.5)	
DMG	35.2500	120.6700	07/21/1931	12 8 0.0	0.0	4.00	0.013	III	79.2(127.5)	
T-A	35.2500	120.6700	00/00/1830	0 0 0.0	0.0	5.70	0.033	V	79.2(127.5)	
T-A	35.2500	120.6700	12/17/1852	0 0 0.0	0.0	5.70	0.033	V	79.2(127.5)	
T-A	35.2500	120.6700	12/15/1869	0 0 0.0	0.0	4.30	0.016	IV	79.2(127.5)	
MGI	35.2500	120.6700	05/04/1923	2245 0.0	0.0	4.00	0.013	III	79.2(127.5)	
MGI	35.2500	120.6700	06/28/1920	9 1 0.0	0.0	4.00	0.013	III	79.2(127.5)	
DMG	34.3680	118.3140	04/25/1971	1448 6.5	-2.0	4.00	0.013	III	79.3(127.6)	
DMG	35.3000	118.8000	12/23/1905	2223 0.0	0.0	5.00	0.023	IV	79.5(128.0)	
DMG	35.1830	118.6500	07/21/1952	151358.0	0.0	5.10	0.024	V	79.7(128.3)	
DMG	34.3610	118.3060	02/09/1971	141021.5	5.0	4.70	0.019	IV	79.8(128.4)	
MGI	34.0000	118.4000	01/29/1927	2324 0.0	0.0	4.00	0.013	III	79.9(128.6)	
MGI	34.0000	118.4000	02/22/1920	1610 0.0	0.0	4.60	0.018	IV	79.9(128.6)	
MGI	34.0000	118.4000	10/01/1930	040 0.0	0.0	4.60	0.018	IV	79.9(128.6)	
MGI	34.0000	118.4000	02/07/1927	429 0.0	0.0	4.60	0.018	IV	79.9(128.6)	
DMG	34.3700	118.3020	02/10/1971	31212.0	0.8	4.00	0.013	III	80.0(128.7)	
DMG	35.3670	118.8830	09/12/1953	64116.0	0.0	4.10	0.014	IV	80.3(129.2)	
DMG	35.2170	118.6670	09/14/1952	204324.0	0.0	4.10	0.014	IV	80.6(129.7)	
DMG	33.2670	119.4500	11/18/1947	2159 3.0	0.0	5.00	0.022	IV	80.9(130.2)	
DMG	33.9030	118.4310	11/29/1938	192115.8	10.0	4.00	0.013	III	81.0(130.4)	
MGI	33.8000	118.5000	06/18/1915	15 5 0.0	0.0	4.00	0.013	III	81.1(130.5)	
DMG	35.2000	118.6330	07/22/1952	321 5.0	0.0	4.40	0.016	IV	81.2(130.7)	
GSP	35.3700	118.8500	12/18/1990	165643.0	6.0	4.20	0.015	IV	81.5(131.2)	
PAS	35.0950	118.5190	06/22/1981	45747.3	5.0	4.00	0.013	III	81.8(131.7)	
DMG	35.1830	118.6000	07/29/1952	154950.0	0.0	4.90	0.021	IV	81.9(131.7)	
DMG	35.1830	118.6000	07/26/1952	2241 3.0	0.0	4.60	0.018	IV	81.9(131.7)	
DMG	35.1830	118.6000	07/26/1952	63850.0	0.0	4.00	0.013	III	81.9(131.7)	
DMG	35.3670	118.8330	03/17/1935	2026 0.0	0.0	4.00	0.013	III	82.0(131.9)	
DMG	33.3390	119.1040	10/24/1969	202642.5	-1.8	4.70	0.019	IV	82.2(132.2)	
DMG	35.3830	118.8500	10/13/1952	222035.0	0.0	4.00	0.013	III	82.3(132.4)	
DMG	35.3830	118.8500	07/29/1952	7 347.0	0.0	6.10	0.040	V	82.3(132.4)	
MGI	35.3000	120.7000	12/07/1906	640 0.0	0.0	5.90	0.035	V	82.9(133.4)	
MGI	34.1000	118.3000	07/16/1920	2127 0.0	0.0	4.60	0.018	IV	83.1(133.8)	
MGI	34.1000	118.3000	07/26/1920	1215 0.0	0.0	4.00	0.013	III	83.1(133.8)	
MGI	34.1000	118.3000	07/16/1920	2130 0.0	0.0	4.60	0.018	IV	83.1(133.8)	
MGI	34.1000	118.3000	07/16/1920	2022 0.0	0.0	4.60	0.018	IV	83.1(133.8)	
DMG	33.7700	118.4800	04/24/1931	182754.8	0.0	4.40	0.016	IV	83.2(133.8)	
DMG	33.2910	119.1930	10/24/1969	82912.1	10.0	5.10	0.023	IV	83.3(134.0)	
DMG	35.1330	118.5170	07/22/1952	141 2.0	0.0	4.50	0.017	IV	83.5(134.3)	
DMG	35.1330	118.5170	07/23/1952	152524.0	0.0	4.00	0.013	III	83.5(134.3)	

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.1330	118.5170	07/28/1952	54554.0	0.0	4.20	0.014	IV	83.5(134.3)
DMG	35.1330	118.5170	08/14/1952	72822.0	0.0	4.10	0.014	III	83.5(134.3)
DMG	35.3330	118.7330	08/05/1952	65010.0	0.0	4.40	0.016	IV	83.7(134.7)
DMG	35.0000	121.0000	03/27/1947	91646.0	0.0	4.20	0.014	IV	83.7(134.7)
DMG	35.2330	118.6000	07/22/1952	91025.0	0.0	4.50	0.017	IV	84.1(135.4)
DMG	35.2330	118.6000	01/10/1953	221738.0	0.0	4.00	0.013	III	84.1(135.4)
PAS	35.3720	118.7740	12/15/1987	182346.1	3.2	4.10	0.014	III	84.3(135.6)
DMG	35.4000	118.8170	07/29/1952	8 146.0	0.0	5.10	0.023	IV	84.3(135.7)
DMG	35.1170	118.4810	05/01/1953	64820.9	2.4	4.10	0.014	III	84.5(135.9)
DMG	35.3000	118.6670	08/13/1952	212548.0	0.0	4.10	0.014	III	84.6(136.1)
PAS	35.4520	118.8990	02/08/1985	65816.9	11.1	4.60	0.018	IV	84.6(136.2)
DMG	33.7670	118.4500	10/11/1940	55712.3	0.0	4.70	0.019	IV	84.7(136.3)
DMG	35.0630	118.4230	08/26/1952	205640.6	-0.8	4.40	0.016	IV	85.2(137.1)
MGI	34.0000	118.3000	06/30/1920	350 0.0	0.0	4.00	0.013	III	85.3(137.2)
MGI	34.0000	118.3000	09/03/1905	540 0.0	0.0	5.30	0.025	V	85.3(137.2)
MGI	34.0000	118.3000	06/22/1920	2035 0.0	0.0	4.00	0.013	III	85.3(137.2)
DMG	35.5000	118.9670	09/29/1948	4 648.0	0.0	4.20	0.014	IV	85.5(137.6)
DMG	35.1990	118.5310	09/01/1961	165148.9	4.5	4.00	0.013	III	85.6(137.7)
DMG	33.9830	118.3000	02/11/1940	192410.0	0.0	4.00	0.013	III	85.7(137.9)
MGI	34.0800	118.2600	07/16/1920	18 8 0.0	0.0	5.00	0.022	IV	85.7(137.9)
DMG	33.7830	118.4170	10/12/1940	024 0.0	0.0	4.00	0.013	III	85.7(138.0)
DMG	33.7830	118.4170	10/14/1940	205111.0	0.0	4.00	0.013	III	85.7(138.0)
DMG	33.7830	118.4170	11/01/1940	725 3.0	0.0	4.00	0.013	III	85.7(138.0)
DMG	33.7830	118.4170	11/02/1940	25826.0	0.0	4.00	0.013	III	85.7(138.0)
GSP	35.3180	118.6540	01/25/2003	091610.2	5.0	4.50	0.016	IV	86.0(138.4)
DMG	34.5190	118.1980	08/23/1952	10 9 7.1	13.1	5.00	0.021	IV	86.0(138.5)
DMG	35.2410	118.5600	07/21/1952	1912 7.4	5.8	4.30	0.015	IV	86.2(138.7)
DMG	35.2350	118.5480	03/03/1973	181449.5	8.0	4.00	0.013	III	86.4(139.1)
DMG	35.2330	118.5330	07/21/1952	174244.0	0.0	5.10	0.022	IV	87.0(140.0)
DMG	35.2330	118.5330	07/22/1952	15 314.0	0.0	4.20	0.014	IV	87.0(140.0)
DMG	35.2330	118.5330	07/30/1952	144650.0	0.0	4.10	0.013	III	87.0(140.0)
DMG	35.2330	118.5330	07/24/1952	1735 6.0	0.0	4.20	0.014	IV	87.0(140.0)
DMG	35.2330	118.5330	07/29/1952	173643.0	0.0	4.40	0.015	IV	87.0(140.0)
DMG	35.2330	118.5330	03/17/1953	161517.0	0.0	4.00	0.013	III	87.0(140.0)
MGI	35.5000	120.5000	06/04/1953	1140 0.0	0.0	4.30	0.015	IV	87.1(140.2)
DMG	35.2830	118.5830	07/31/1952	1719 8.0	0.0	4.50	0.016	IV	87.1(140.2)
DMG	33.8830	118.3170	03/11/1933	1457 0.0	0.0	4.90	0.020	IV	87.5(140.8)
DMG	35.2290	118.5130	06/28/1957	1132 0.8	1.6	4.10	0.013	III	87.7(141.1)
DMG	35.2390	118.5180	07/21/1952	2021 5.1	-2.0	4.20	0.014	IV	87.9(141.4)
T-A	34.0000	118.2500	05/02/1856	810 0.0	0.0	4.30	0.015	IV	88.0(141.6)
T-A	34.0000	118.2500	05/04/1857	6 0 0.0	0.0	4.30	0.015	IV	88.0(141.6)
T-A	34.0000	118.2500	03/21/1880	1425 0.0	0.0	4.30	0.015	IV	88.0(141.6)
T-A	34.0000	118.2500	01/17/1857	1 0 0.0	0.0	4.30	0.015	IV	88.0(141.6)
T-A	34.0000	118.2500	03/26/1860	0 0 0.0	0.0	5.00	0.021	IV	88.0(141.6)
T-A	34.0000	118.2500	01/10/1856	0 0 0.0	0.0	5.00	0.021	IV	88.0(141.6)
T-A	34.0000	118.2500	09/23/1827	0 0 0.0	0.0	5.00	0.021	IV	88.0(141.6)
DMG	35.1940	118.4650	07/22/1952	19 858.2	3.7	4.30	0.015	IV	88.3(142.1)
DMG	35.2830	118.5500	07/23/1952	34928.0	0.0	4.70	0.018	IV	88.5(142.4)
DMG	35.2830	118.5500	07/26/1952	922 6.0	0.0	4.30	0.015	IV	88.5(142.4)
DMG	35.2830	118.5500	08/01/1952	31611.6	0.0	4.50	0.016	IV	88.5(142.4)
DMG	35.2830	118.5500	07/31/1952	41022.0	0.0	4.20	0.014	IV	88.5(142.4)
DMG	35.2830	118.5500	07/22/1952	15151.0	0.0	4.40	0.015	IV	88.5(142.4)
DMG	35.2830	118.5500	07/23/1952	737 0.0	0.0	4.80	0.019	IV	88.5(142.4)

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.3790	118.6680	11/21/1955	205527.6	5.3	4.30	0.015	IV	88.5(142.4)
MGI	34.1000	118.2000	01/27/1860	830 0.0	0.0	4.30	0.014	IV	88.7(142.7)
MGI	34.1000	118.2000	04/21/1921	1538 0.0	0.0	4.00	0.012	III	88.7(142.7)
MGI	34.1000	118.2000	05/02/1916	1432 0.0	0.0	4.00	0.012	III	88.7(142.7)
DMG	35.3330	118.6000	07/31/1952	12 9 9.0	0.0	5.80	0.032	V	88.8(143.0)
DMG	35.3330	118.6000	08/10/1952	6 118.0	0.0	4.00	0.012	III	88.8(143.0)
DMG	35.3330	118.6000	09/16/1952	142454.0	0.0	4.00	0.012	III	88.8(143.0)
DMG	35.3330	118.6000	07/23/1952	161838.0	0.0	4.50	0.016	IV	88.8(143.0)
DMG	35.3330	118.6000	07/23/1952	164853.0	0.0	4.50	0.016	IV	88.8(143.0)
DMG	33.1500	119.4500	06/17/1934	243 0.0	0.0	4.00	0.012	III	88.9(143.0)
DMG	33.1500	119.4500	01/05/1940	62052.0	0.0	4.00	0.012	III	88.9(143.0)
GSP	33.9220	118.2700	10/28/2001	162745.6	21.0	4.00	0.012	III	88.9(143.0)
T-A	34.1700	118.1700	03/07/1888	1554 0.0	0.0	4.30	0.014	IV	89.2(143.6)
DMG	33.6320	118.4670	01/08/1967	73730.4	11.4	4.00	0.012	III	89.3(143.7)
DMG	35.3580	118.6160	08/24/1955	17 540.9	7.2	4.00	0.012	III	89.4(143.9)
DMG	35.2500	118.4830	07/23/1952	1330 4.0	0.0	4.40	0.015	IV	89.9(144.7)
DMG	35.2500	118.4830	07/23/1952	93842.0	0.0	4.20	0.014	III	89.9(144.7)
DMG	35.3000	118.5330	07/21/1952	182628.0	0.0	4.10	0.013	III	90.0(144.9)
DMG	35.3000	118.5330	09/02/1952	1638 9.0	0.0	4.00	0.012	III	90.0(144.9)
DMG	35.3000	118.5330	07/30/1952	95929.0	0.0	4.00	0.012	III	90.0(144.9)
DMG	35.3000	118.5330	07/21/1952	182338.0	0.0	4.50	0.016	IV	90.0(144.9)
MGI	35.5000	120.6000	01/01/1830	0 0 0.0	0.0	5.00	0.021	IV	90.2(145.1)
DMG	35.3330	118.5670	08/08/1952	51718.0	0.0	4.00	0.012	III	90.2(145.1)
DMG	35.4330	118.7000	05/01/1954	22 439.0	0.0	4.20	0.014	III	90.2(145.1)
DMG	33.6630	118.4130	01/08/1967	738 5.3	17.7	4.00	0.012	III	90.5(145.6)
MGI	34.0000	118.2000	02/13/1917	13 5 0.0	0.0	4.60	0.017	IV	90.7(145.9)
MGI	34.0000	118.2000	06/26/1917	424 0.0	0.0	4.00	0.012	III	90.7(145.9)
MGI	34.0000	118.2000	06/26/1917	2120 0.0	0.0	4.60	0.017	IV	90.7(145.9)
MGI	34.0000	118.2000	06/26/1917	2130 0.0	0.0	4.60	0.017	IV	90.7(145.9)
MGI	34.0000	118.2000	06/26/1917	2115 0.0	0.0	4.60	0.017	IV	90.7(145.9)
DMG	35.3210	118.5400	07/24/1952	141012.2	9.5	4.00	0.012	III	90.7(146.0)
GSP	35.3900	118.6230	09/29/2004	225454.2	3.0	5.00	0.021	IV	90.8(146.1)
DMG	35.3140	118.5300	07/26/1952	225856.1	6.8	4.30	0.014	IV	90.8(146.1)
DMG	35.4000	118.6330	10/02/1952	231021.0	0.0	4.20	0.013	III	90.9(146.3)
DMG	33.8000	118.3000	11/03/1931	16 5 0.0	0.0	4.00	0.012	III	91.0(146.4)
MGI	33.8000	118.3000	12/31/1928	1045 0.0	0.0	4.00	0.012	III	91.0(146.4)
DMG	33.8500	118.2670	03/11/1933	629 0.0	0.0	4.40	0.015	IV	91.1(146.6)
DMG	33.8500	118.2670	03/11/1933	1425 0.0	0.0	5.00	0.021	IV	91.1(146.6)
DMG	35.3080	118.5160	07/31/1952	19 515.4	7.3	4.00	0.012	III	91.1(146.6)
GSP	34.0300	118.1800	06/12/1989	165718.4	16.0	4.40	0.015	IV	91.1(146.6)
DMG	34.5650	118.1130	02/28/1969	45612.4	5.3	4.30	0.014	IV	91.1(146.7)
DMG	35.3950	118.6200	08/08/1955	32150.5	4.1	4.70	0.018	IV	91.2(146.7)
DMG	35.3670	118.5830	07/23/1952	03832.0	0.0	6.10	0.037	V	91.2(146.7)
DMG	35.3670	118.5830	07/27/1952	73539.0	0.0	4.20	0.013	III	91.2(146.7)
DMG	35.3670	118.5830	07/23/1952	4 140.0	0.0	4.70	0.017	IV	91.2(146.7)
DMG	35.3670	118.5830	07/23/1952	04738.0	0.0	4.60	0.017	IV	91.2(146.7)
DMG	35.3670	118.5830	09/16/1952	1521 8.0	0.0	4.30	0.014	IV	91.2(146.7)
DMG	35.3670	118.5830	07/23/1952	65342.0	0.0	4.20	0.013	III	91.2(146.7)

EQSEARCH CPLAZZ. OUT									
DMG	35.3670	118.5830	07/23/1952	31923.0	0.0	5.00	0.020	IV	91.2(146.7)
DMG	35.3670	118.5830	07/23/1952	62628.0	0.0	4.00	0.012	III	91.2(146.7)
DMG	35.3670	118.5830	07/28/1952	154120.0	0.0	4.00	0.012	III	91.2(146.7)
GSP	34.0200	118.1800	06/12/1989	172225.5	16.0	4.10	0.013	III	91.3(147.0)
DMG	35.3830	118.6000	09/05/1953	192436.0	0.0	4.10	0.013	III	91.3(147.0)

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	35.3050	118.5070	08/09/1952	10 732.1	-2.0	4.20	0.013	III	91.3(147.0)
DMG	35.3000	118.5000	02/19/1953	812 6.0	0.0	4.40	0.015	IV	91.4(147.1)
DMG	35.3150	118.5160	07/25/1952	194323.7	11.2	5.70	0.030	V	91.4(147.1)
DMG	35.4320	118.6640	09/30/1964	175125.8	7.4	4.00	0.012	III	91.4(147.1)
PAS	34.1490	118.1350	12/03/1988	113826.4	13.3	4.90	0.019	IV	91.5(147.2)
DMG	35.3160	118.5140	07/24/1952	14 525.9	5.4	4.30	0.014	IV	91.5(147.3)
DMG	35.3330	118.5330	08/01/1952	103556.0	0.0	4.00	0.012	III	91.6(147.3)
DMG	35.3200	118.5180	07/27/1952	0 915.6	6.5	4.20	0.013	III	91.6(147.4)
DMG	35.3370	118.5370	08/30/1952	45954.8	3.5	4.00	0.012	III	91.6(147.4)
DMG	33.9390	118.2050	01/11/1950	214135.0	0.4	4.10	0.013	III	91.9(147.8)
DMG	35.3110	118.4990	07/25/1952	1313 8.2	2.8	5.00	0.020	IV	91.9(148.0)
DMG	35.7500	119.6170	04/15/1950	115632.0	0.0	4.60	0.016	IV	92.0(148.0)
DMG	35.2670	118.4500	07/21/1952	191619.0	0.0	4.30	0.014	IV	92.1(148.2)
GSP	35.0980	118.3060	12/31/1995	214823.1	7.0	4.00	0.012	III	92.1(148.3)
DMG	35.3380	118.5230	08/06/1952	34624.2	12.6	4.30	0.014	IV	92.2(148.4)
DMG	35.2900	118.4700	07/24/1952	12 757.6	14.1	4.10	0.013	III	92.2(148.4)
DMG	33.6330	118.4000	10/17/1934	938 0.0	0.0	4.00	0.012	III	92.3(148.6)
DMG	35.3030	118.4810	09/04/1952	18 649.1	5.8	4.40	0.015	IV	92.3(148.6)
DMG	35.3170	118.4940	07/25/1952	19 944.6	5.5	5.70	0.029	V	92.4(148.7)
DMG	35.3560	118.5380	07/19/1955	2 425.5	6.4	4.10	0.013	III	92.5(148.8)
DMG	35.3130	118.4890	10/20/1952	181443.6	14.0	4.30	0.014	IV	92.5(148.8)
DMG	35.3300	118.5070	05/29/1968	22938.7	3.1	4.00	0.012	III	92.5(148.8)
DMG	35.3830	118.5670	07/23/1952	546 3.0	0.0	4.70	0.017	IV	92.6(149.0)
DMG	35.2890	118.4600	07/26/1952	1 221.3	10.8	4.20	0.013	III	92.6(149.0)
DMG	35.3210	118.4940	02/11/1955	194431.5	14.7	4.50	0.016	IV	92.6(149.0)
DMG	35.3510	118.5270	08/11/1952	132149.2	-2.0	4.40	0.015	IV	92.7(149.1)
DMG	35.3160	118.4870	09/15/1952	44013.2	4.2	4.90	0.019	IV	92.7(149.1)
DMG	35.3030	118.4730	08/01/1952	213522.4	4.2	4.00	0.012	III	92.7(149.2)
DMG	35.3140	118.4820	08/30/1952	45559.8	5.5	4.70	0.017	IV	92.8(149.3)
DMG	35.4000	118.5830	07/24/1952	114756.0	0.0	4.40	0.015	IV	92.8(149.4)
DMG	35.4000	118.5830	07/25/1952	7 351.0	0.0	4.10	0.013	III	92.8(149.4)
DMG	35.4650	118.6680	02/07/1964	221052.0	-0.5	4.20	0.013	III	93.0(149.7)
DMG	35.3240	118.4860	01/20/1953	81322.8	7.2	4.00	0.012	III	93.1(149.8)
MGI	33.9000	118.2000	10/08/1927	1914 0.0	0.0	4.60	0.016	IV	93.2(149.9)
DMG	33.8670	118.2170	06/19/1944	3 6 7.0	0.0	4.40	0.015	IV	93.2(150.0)
DMG	33.8670	118.2170	06/19/1944	0 333.0	0.0	4.50	0.015	IV	93.2(150.0)
DMG	35.3670	118.5330	07/23/1952	195134.0	0.0	4.20	0.013	III	93.2(150.0)
DMG	35.3450	118.5070	07/23/1952	18 328.3	10.4	4.00	0.012	III	93.2(150.0)
DMG	35.4700	120.7500	02/03/1953	145018.0	0.0	4.10	0.012	III	93.6(150.6)
DMG	35.5000	118.7000	01/06/1905	1430 0.0	0.0	5.00	0.020	IV	93.8(150.9)
DMG	33.7830	118.2500	11/14/1941	84136.3	0.0	5.40	0.025	V	94.1(151.4)
DMG	33.8670	118.2000	11/13/1933	2128 0.0	0.0	4.00	0.012	III	94.1(151.4)
DMG	35.3350	118.4740	07/23/1952	172224.0	6.6	4.50	0.015	IV	94.1(151.4)

					EQSEARCH		CPLAZ2.OUT				
DMG	35.2990	118.4350	07/25/1952	20 6 6.1	-1.4	4.80	0.018	IV	94.1(151.5)		
MGI	34.1000	118.1000	07/11/1855	415 0.0	0.0	6.30	0.040	V	94.2(151.6)		
DMG	35.3360	118.4720	07/23/1952	105413.5	19.7	4.10	0.012	III	94.2(151.6)		
DMG	35.3000	118.4320	07/23/1952	61045.9	14.5	4.20	0.013	III	94.3(151.8)		
DMG	35.3400	118.4730	07/24/1952	5 249.6	2.1	4.50	0.015	IV	94.4(151.9)		
DMG	35.3670	118.5000	06/20/1953	231852.0	0.0	4.40	0.015	IV	94.5(152.1)		
DMG	33.8170	118.2170	10/22/1941	65718.5	0.0	4.90	0.019	IV	94.7(152.3)		
DMG	33.7590	118.2530	08/31/1938	31814.2	10.0	4.50	0.015	IV	94.7(152.4)		
DMG	35.4540	118.6050	02/07/1964	22 750.3	-2.0	4.40	0.015	IV	94.7(152.5)		
DMG	35.2890	118.4110	08/10/1952	122318.0	4.0	4.60	0.016	IV	94.7(152.5)		

EARTHQUAKE SEARCH RESULTS

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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
PAS	34.0730	118.0980	10/04/1987	105938.2	8.2	5.30	0.023	IV	94.8(152.5)
PAS	34.0600	118.1000	10/01/1987	1449 5.9	11.7	4.70	0.017	IV	94.9(152.7)
DMG	35.3460	118.4650	12/25/1952	55633.0	4.6	4.10	0.012	III	95.0(152.9)
PAS	34.0490	118.1010	10/01/1987	144541.5	13.6	4.70	0.017	IV	95.1(153.0)
PAS	34.0760	118.0900	10/01/1987	1448 3.1	11.7	4.10	0.012	III	95.2(153.1)
DMG	35.2940	118.4010	08/13/1952	42940.6	14.5	4.60	0.016	IV	95.4(153.5)
DMG	33.9500	118.1330	10/25/1933	7 046.0	0.0	4.30	0.014	III	95.4(153.6)
PAS	34.0520	118.0900	10/01/1987	151231.8	10.8	4.70	0.017	IV	95.6(153.8)
DMG	35.7050	120.3350	06/28/1966	43522.0	1.2	4.10	0.012	III	95.6(153.9)
PAS	34.0500	118.0870	10/01/1987	155953.5	10.4	4.00	0.012	III	95.8(154.2)
PAS	34.0610	118.0790	10/01/1987	144220.0	9.5	5.90	0.032	V	96.0(154.6)
DMG	35.6000	118.8000	06/30/1926	1331 0.0	0.0	5.00	0.020	IV	96.2(154.9)
DMG	34.8550	121.3190	10/23/1969	0 334.4	10.0	4.10	0.012	III	96.5(155.3)
DMG	33.7830	118.2000	12/27/1939	192849.0	0.0	4.70	0.017	IV	96.6(155.5)
DMG	34.5000	121.4000	04/03/1944	233 0.0	0.0	4.00	0.012	III	96.7(155.6)
DMG	35.3600	118.4380	08/03/1952	15156.1	7.0	4.10	0.012	III	96.8(155.7)
DMG	35.7500	120.2500	03/10/1922	112120.0	0.0	6.50	0.043	VI	96.9(155.9)
DMG	34.6490	121.3890	11/10/1969	192126.9	10.0	4.00	0.012	III	97.1(156.2)
DMG	34.7070	121.3770	12/03/1969	221036.6	10.0	4.00	0.012	III	97.1(156.3)
PAS	34.0770	118.0470	02/11/1988	152555.7	12.5	4.70	0.017	IV	97.5(156.9)
GSP	34.2620	118.0020	06/28/1991	144354.5	11.0	5.40	0.024	V	97.7(157.2)
DMG	35.7700	120.2500	10/31/1942	105113.0	0.0	4.00	0.011	III	98.2(158.0)
DMG	34.6530	121.4100	11/09/1969	12742.8	10.0	4.10	0.012	III	98.3(158.2)
MGI	34.2000	118.0000	01/09/1921	530 0.0	0.0	4.60	0.016	IV	98.4(158.3)
DMG	35.7500	120.3300	08/18/1922	512 0.0	0.0	5.00	0.019	IV	98.4(158.4)
DMG	35.7500	120.3300	03/16/1922	2310 0.0	0.0	4.50	0.015	IV	98.4(158.4)
DMG	33.9000	118.1000	07/08/1929	1646 6.7	13.0	4.70	0.016	IV	98.4(158.4)
GSP	34.2500	117.9900	06/28/1991	170055.5	9.0	4.30	0.013	III	98.5(158.5)
DMG	33.7500	118.1830	08/04/1933	41748.0	0.0	4.00	0.011	III	98.5(158.6)
DMG	33.5430	118.3400	09/14/1963	35116.2	2.2	4.20	0.013	III	98.8(159.0)
DMG	34.6090	121.4350	11/05/1969	1754 7.9	10.0	5.60	0.026	V	99.3(159.8)
DMG	33.7500	118.1670	05/16/1933	205855.0	0.0	4.00	0.011	III	99.3(159.9)
DMG	33.9670	118.0500	01/30/1941	13446.9	0.0	4.10	0.012	III	99.5(160.2)
DMG	35.4540	118.4760	11/23/1953	2039 0.9	5.9	4.40	0.014	IV	99.7(160.4)
PDB	35.5440	120.8110	10/02/2004	122209.1	5.0	4.10	0.012	III	99.7(160.5)
MGI	34.1000	118.0000	01/27/1930	2026 0.0	0.0	4.60	0.015	IV	99.8(160.5)

EQSEARCH CPLAZ2.OUT
-END OF SEARCH- 725 EARTHQUAKES FOUND WITHIN THE SPECIFIED SEARCH AREA.

TIME PERIOD OF SEARCH: 1800 TO 2006

LENGTH OF SEARCH TIME: 207 years

THE EARTHQUAKE CLOSEST TO THE SITE IS ABOUT 1.4 MILES (2.2 km) AWAY.

LARGEST EARTHQUAKE MAGNITUDE FOUND IN THE SEARCH RADIUS: 7.9

LARGEST EARTHQUAKE SITE ACCELERATION FROM THIS SEARCH: 0.247 g

COEFFICIENTS FOR GUTENBERG & RICHTER RECURRENCE RELATION:

a-value= 3.700

b-value= 0.790

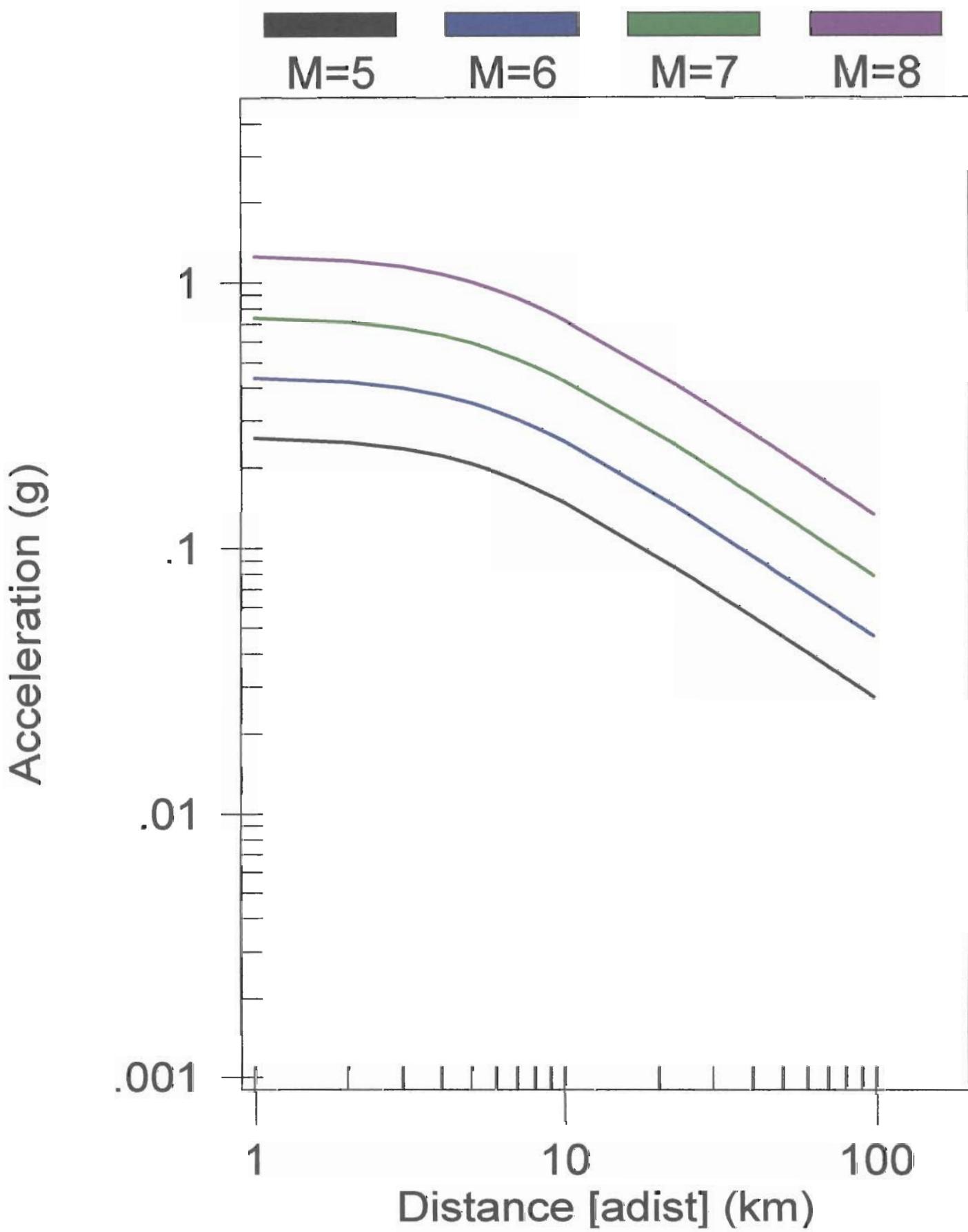
beta-value= 1.819

TABLE OF MAGNITUDES AND EXCEEDANCES:

Earthquake Magnitude	Number of Times Exceeded	Cumulative No. / Year
4.0	725	3.50242
4.5	287	1.38647
5.0	116	0.56039
5.5	47	0.22705
6.0	19	0.09179
6.5	8	0.03865
7.0	6	0.02899
7.5	3	0.01449

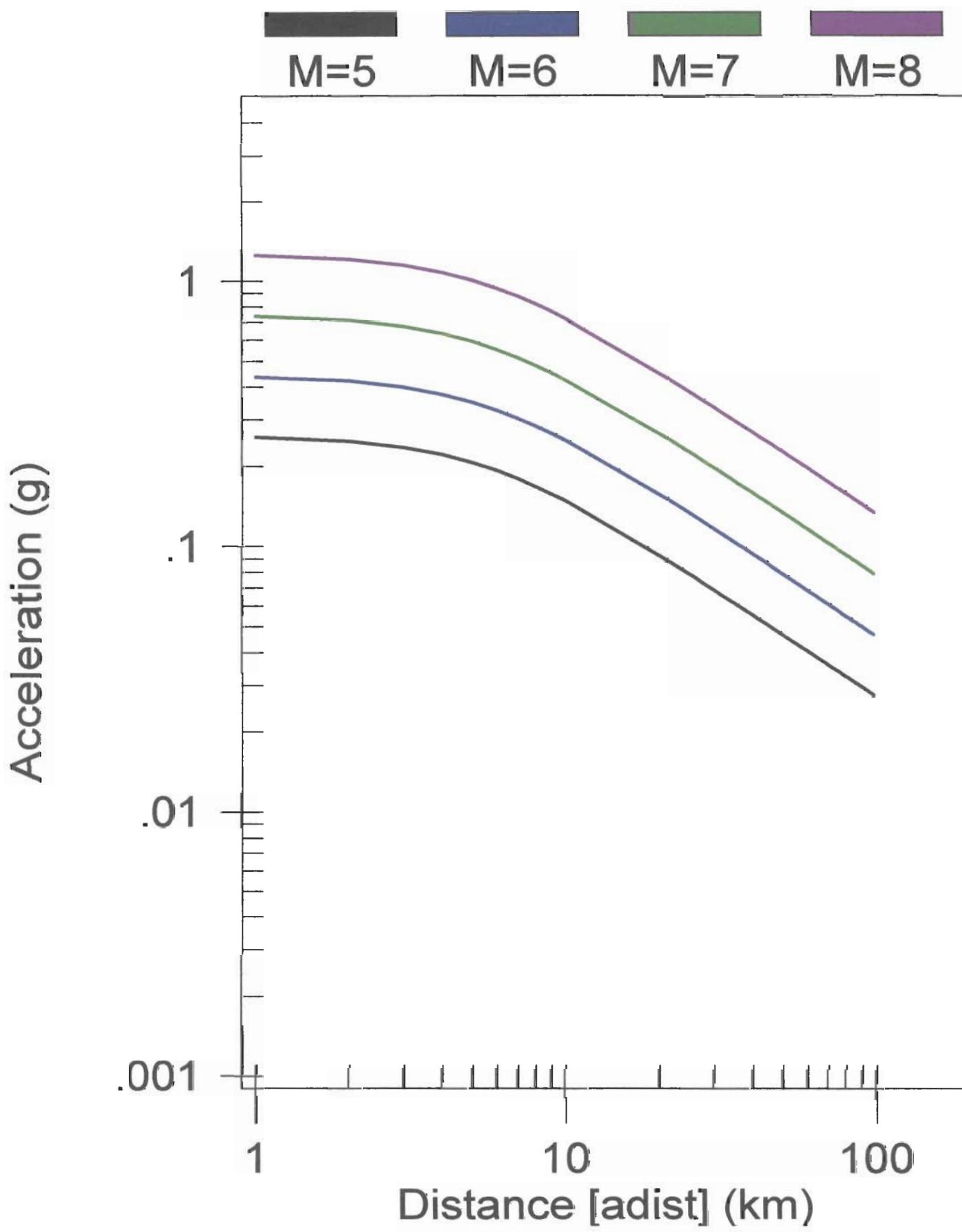
BLIND-THRUST FAULTS

3) Boore et al. (1997) Horiz. - NEHRP D (250)



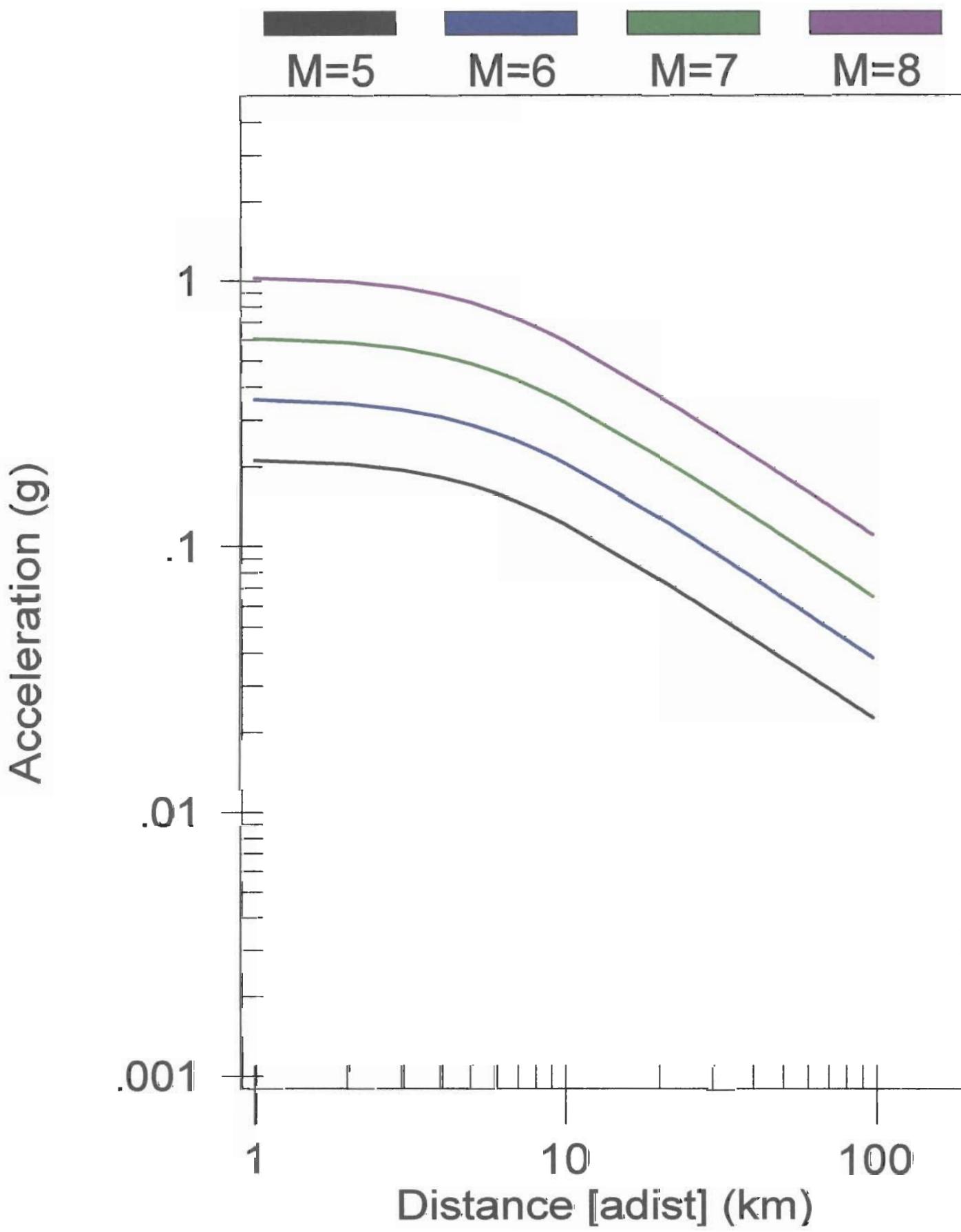
DIP-SLIP FAULTS

3) Boore et al. (1997) Horiz. - NEHRP D (250)



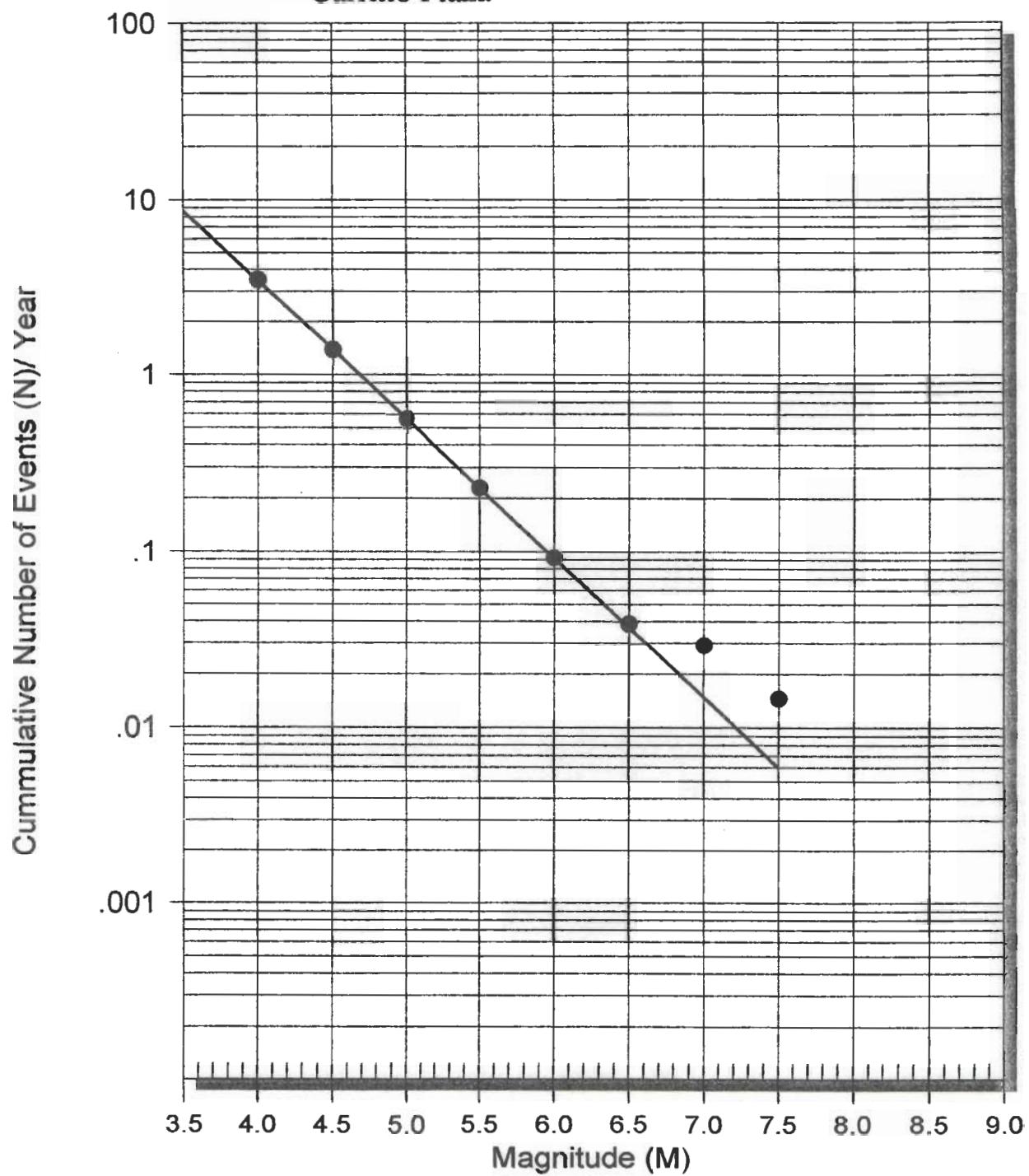
STRIKE-SLIP FAULTS

3) Boore et al. (1997) Horiz. - NEHRP D (250)



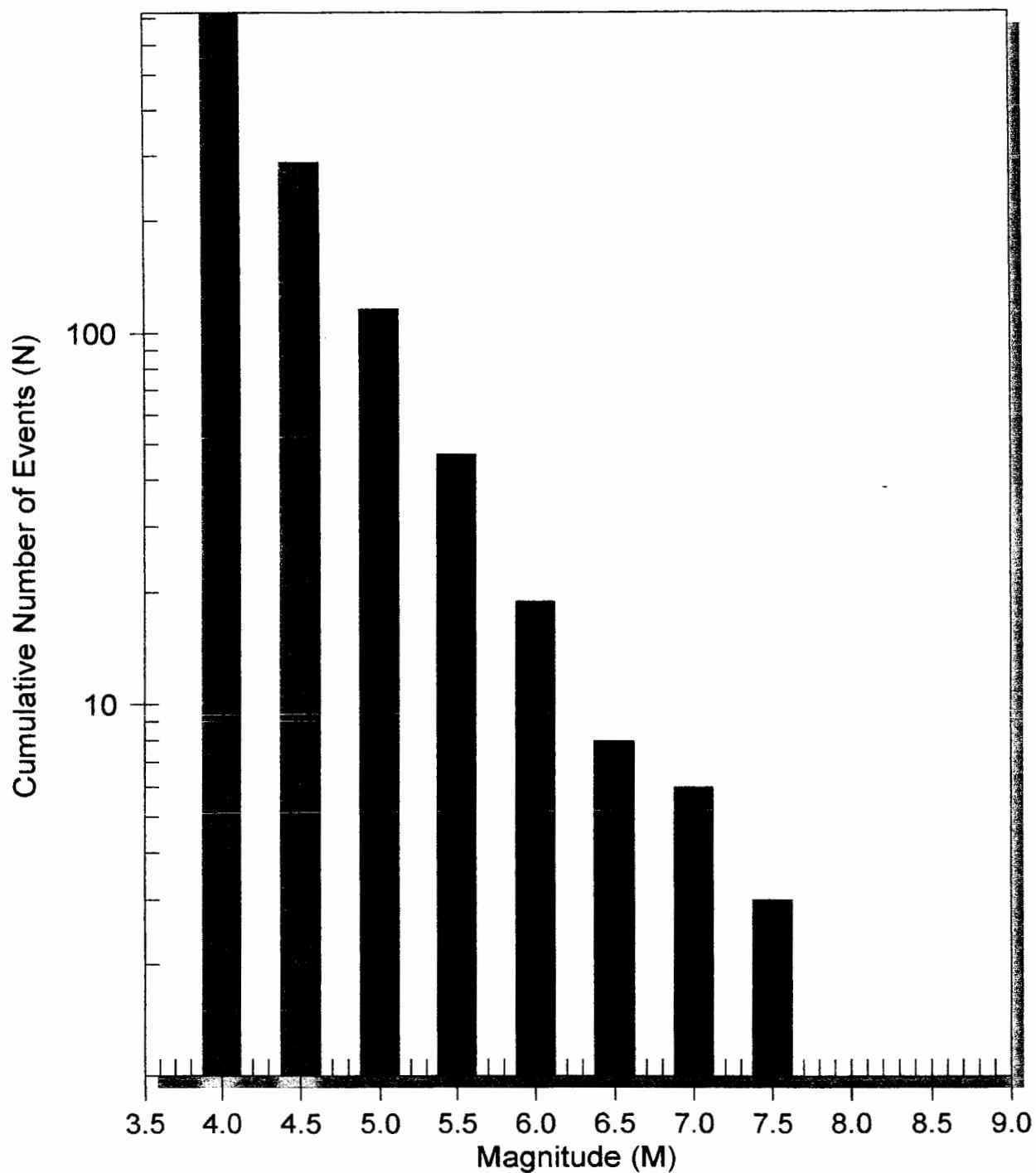
EARTHQUAKE RECURRENCE CURVE

Carrillo Plaza



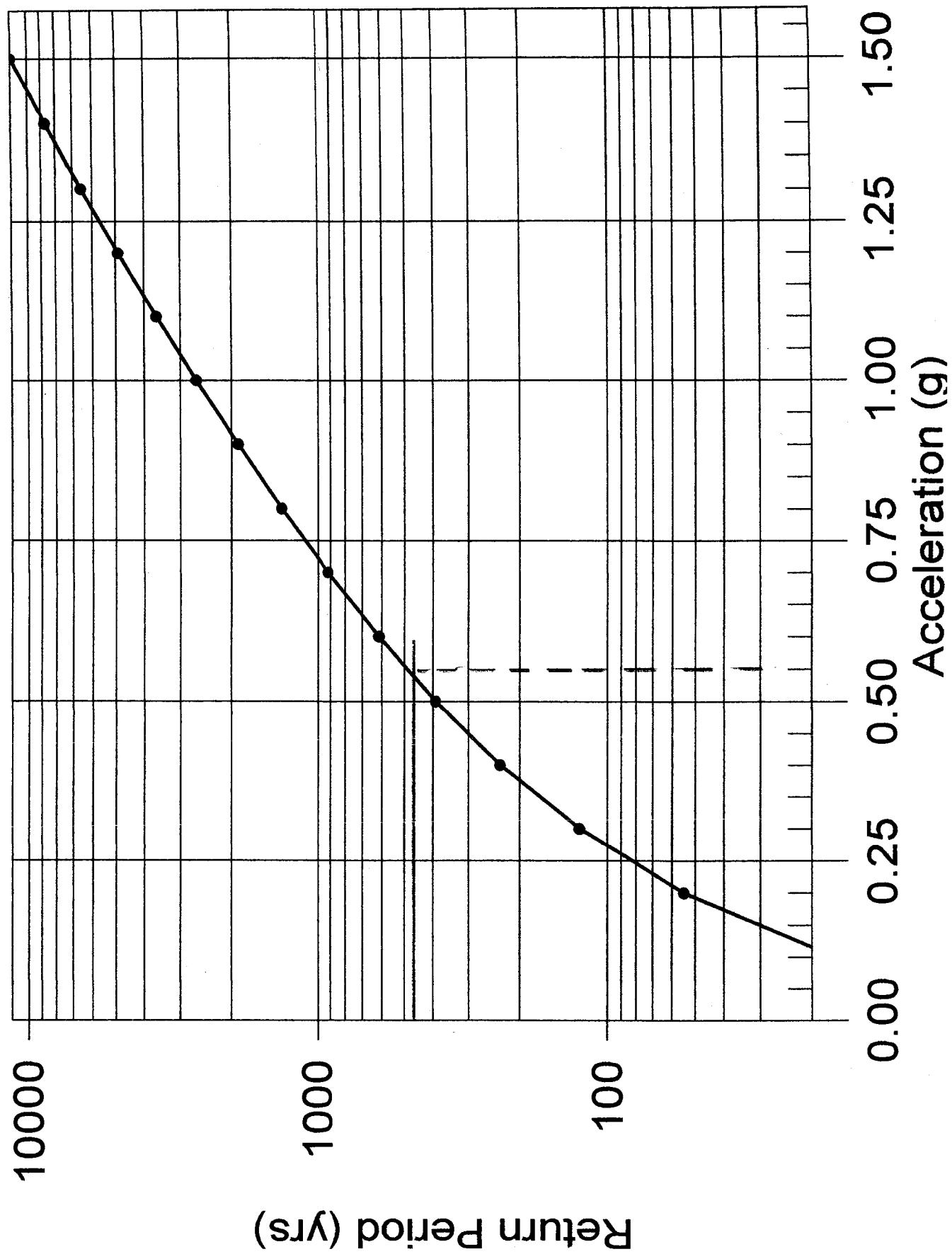
Number of Earthquakes (N) Above Magnitude (M)

Carrillo Plaza



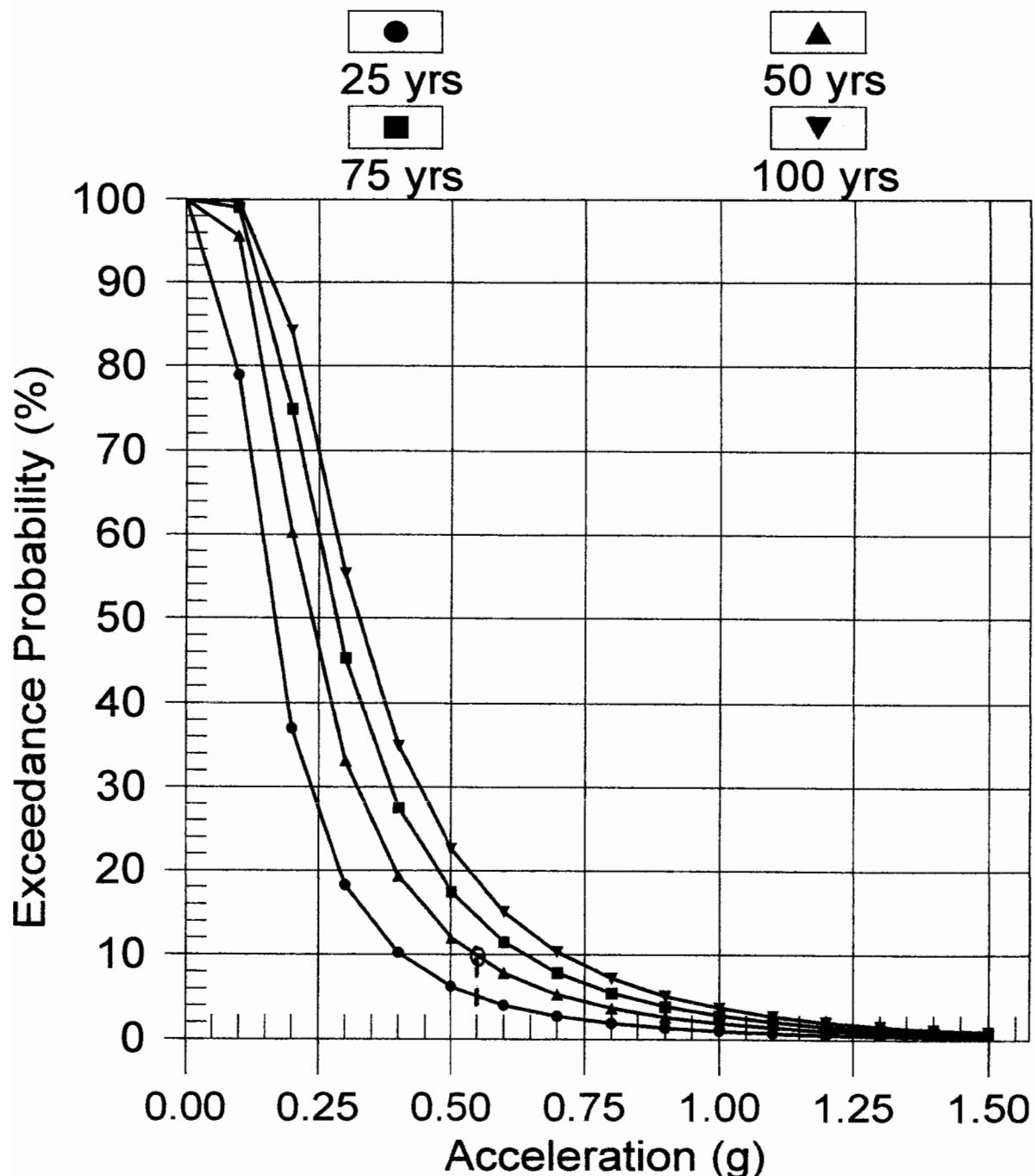
RETURN PERIOD VS. ACCELERATION

BOORE ET AL(1997) NEHRP D (250)1



PROBABILITY OF EXCEEDANCE

BOORE ET AL(1997) NEHRP D (250)1



C A M P B E L L · G E O , I N C .

ENGINEERING GEOLOGY · HYDROLOGY · GEOENVIRONMENTAL SERVICES

TRANSMITTAL

TO: DBN Carrillo Village, LLC
c/o The Conceptual Motion Company
1501 Chapala Street
Santa Barbara, CA 93101

DATE: August 4, 2006

Attn: Mr. Daniel Weber

Subject: Revised Report - Preliminary Geologic Hazards Evaluation of
Proposed Carrillo Plaza Project
De La Vina and Carrillo Streets
Santa Barbara, California

We are transmitting: a compact disk containing the above-referenced, revised report, dated August 4, 2006, with references clarifying that the City of Santa Barbara Seismic Safety Element of 1979 was reviewed, as requested by the city's letter to Conceptual Motion, dated July 14, 2006. This revised report replaces the original report, dated May 25, 2006.

By: 
Steven H. Campbell
Principal Geologist

Clients\Carrillo Plaza\Transmittals\Carrillo Plaza T2.doc